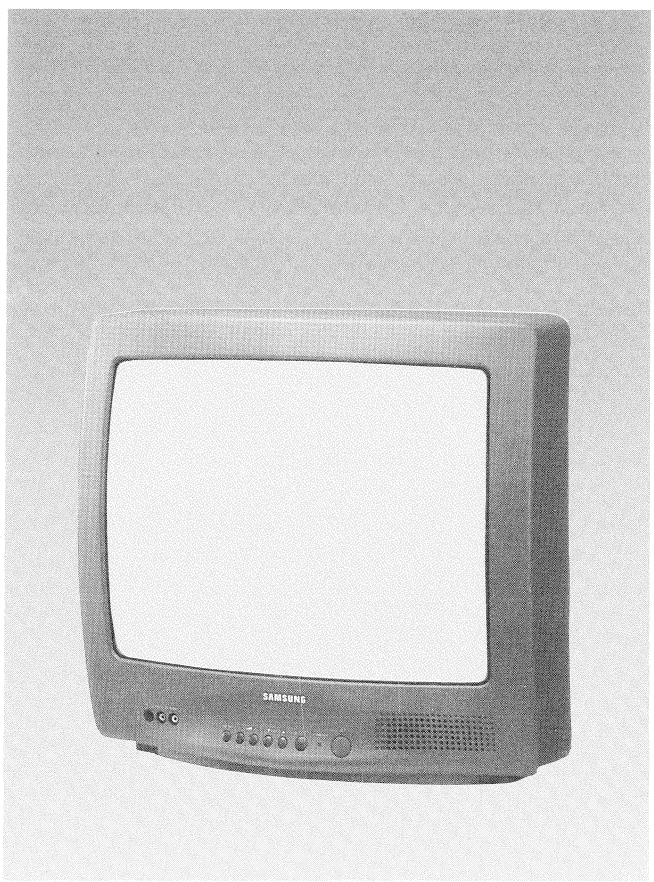
SAMSUNG

COLOR TELEVISION RECEIVER

CHASSIS : SCT11B
MODEL : CB5079T/UKV1CX
CB5079T/UKV2CX
CB5379T/UKV2CX

SERVICE Manual

COLOR TELEVISION RECEIVER



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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children--might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances),* and Underwriters Laboratories *(UL Publication UL1410, 59.7).*

5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

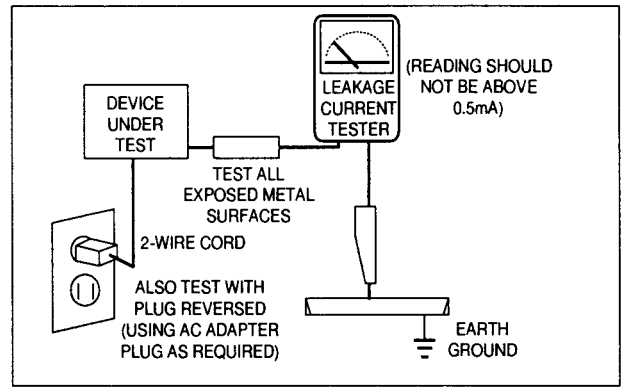

LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
DEVICE UNDER TEST
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the *X-ray Protection Specifications Label,* and the *Product Safety and X-ray Warning Note* on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, *regardless of the AC plug polarity.* These units can be safely serviced *only* if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.
2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.
3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.
5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.
7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
8. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always remove the instrument's ground lead last.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)
3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.
4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.
5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.
6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static"; these can accumulate sufficient electrical charge to damage ESDs.
7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

Memo

2. Specifications and IC Data

2-1 Specifications

Television System:

MODEL	SYSTEM
CI	PAL-I (UHF)
CII	PAL-I (VHF/UHF)
CX	PAL-B/G, SECAM-B/G
CK	PAL-B/G, D/K, SECAM-B/G, D/K
CW	PAL-B/G, D/K, SECAM-B/G, D/K, NT 4.43

Channels:

System / Band	PAL/SECAM-B/G,I	PAL, SECAM- D/K	SECAM-K1, PAL-D	NTSC - M
VHF	2 - 12	1 - 13	2 - 9	2 - 13
UHF	21 - 69	21 - 69	13 - 57	14-69

Intermediate Frequencies (MHz) :

SYSTEM / IF Carrier Frequency	PAL/ SECAM- B/G	PAL/SECAM-D/K, SECAM-K1	PAL - I	NTSC - M
Picture IF Carrier	38.90	38.90	38.90	38.90
Sound IF Carrier	33.40	32.40	32.90	34.40
Color Sub Carrier	34.47	34.47	34.47	35.32

Picture Tube:

14 Inch	A34KQV42X	Quick start, In-line-gun, Black stripe, 90° degree deflection
20 Inch	A48KRD82X	
21 Inch	A51KQJ63X	

Power Requirements: AC 160~260V, 50Hz

Antenna Input Impedance: VHF, UHF : Telescopic dipole antenna (75 ohm unbalanced type)

Speaker Impedance: 8 ohm, 4W+4W (Dual type)
16 ohm, 3W (Monitor look type)

2-2 IC Line Up

Table 2-1 IC Line-Up

Loc. No	Specification	Description	Remark
HC101	PAP101	IF Pre-AMP	
HC801	HIS-0169B	Power Control IC	
IC201	M52309SP	PAL/NTSC Decoder (VIF/SIF/VIDEO, Chroma/Deflection)	MITSUBISHI
IC202	TDA4665	1H Delay	
IC203	TDA8395P	SECAM Decoder	
IC301	TA8445K	Vertical Output	
IC501	TDA6103Q	R.G.B Drive AMP	
IC601	TDA7056	Sound Output Amplifier	3Wx1CH
IC602	TDA7057AQ	Sound Output Amplifier	4Wx2CH
IC801	SMR40200	Power IC(STR)	220V/230V/240V
IC802	TDA8133	Regulator (5V, 8V)	
IC804	KA7805	Regulator (5V)	
IC805	KA7812	Regulator (12V)	
IC901	SZM-137PV	μ-com (Without TTX) OSD Language English, French, German, Italian, Swedish, Spanish	ZILOG (NON TTX)
	SZM-139AV	μ-com (Without TTX) OSD Language English, Arabian	
	SZM-143RV	μ-com (Without TTX) OSD Language English, Russian, Hungarian, Polish, Rumanian, Czech, Croatian	
	SZM-141TV	μ-com (Without TTX) OSD Language English, Thai, Vietnamese, Indonesian, Malay	
	SZM-145CV	μ-com (Without TTX) OSD Language English, Chinese	
	SPM-151	μ-com (With TTX) OSD Language English, Italian, Swedish, Spanish	PHILIPS (TTX)
	SPM-153	μ-com (With TTX) OSD Language English, French German, Dutch	
	SPM-161RV	μ-com (With TTX) OSD Language English, Russian, Hungarian, Polish	
	SPM-165CV	μ-com (With TTX) OSD Language English, Rumanian Czech, Croatian	
	SPM-163FV	μ-com (With TTX) OSD Language English, French (SEAM-L)	
IC902	X24C04P	Non-Volatile Memory	E^2PROM
ICK01	TDA3845/TDA445B	SIF Detector	
ICL01	STV8225	AM SIF Circuit	SECAM-L

2-3 Semiconductor Base Diagrams

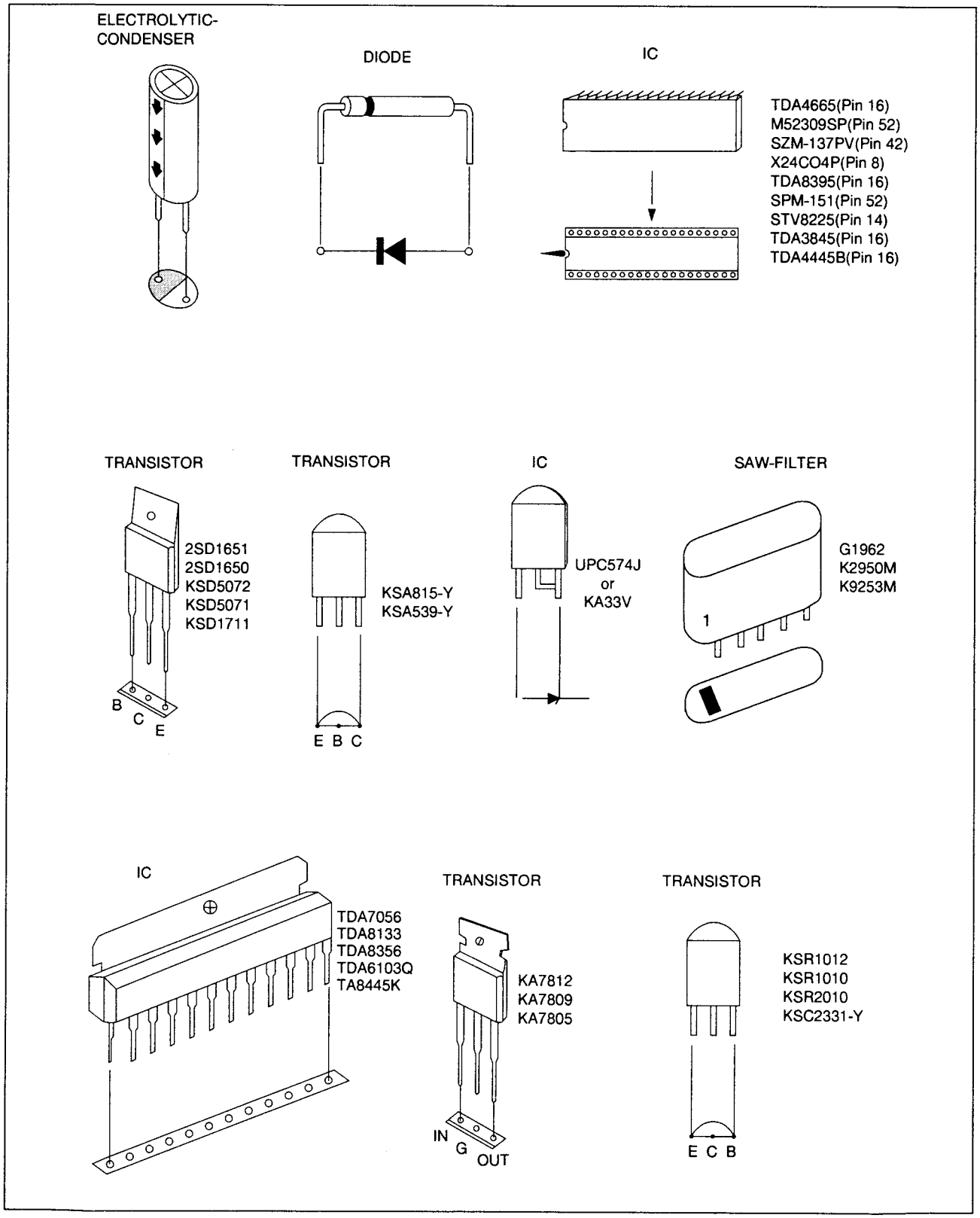
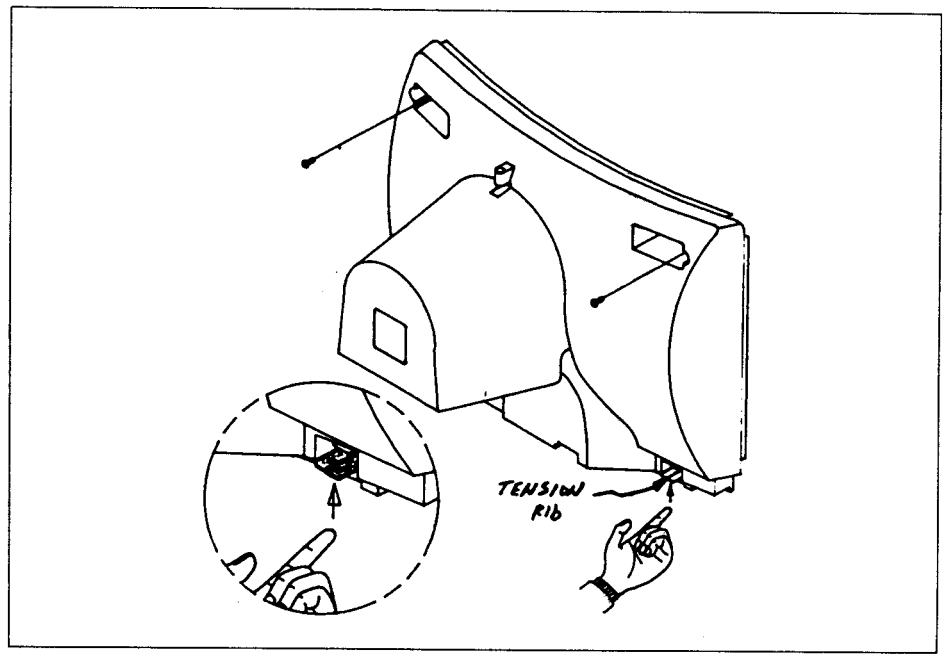


Fig.2-1 Semiconductor Base Diagrams

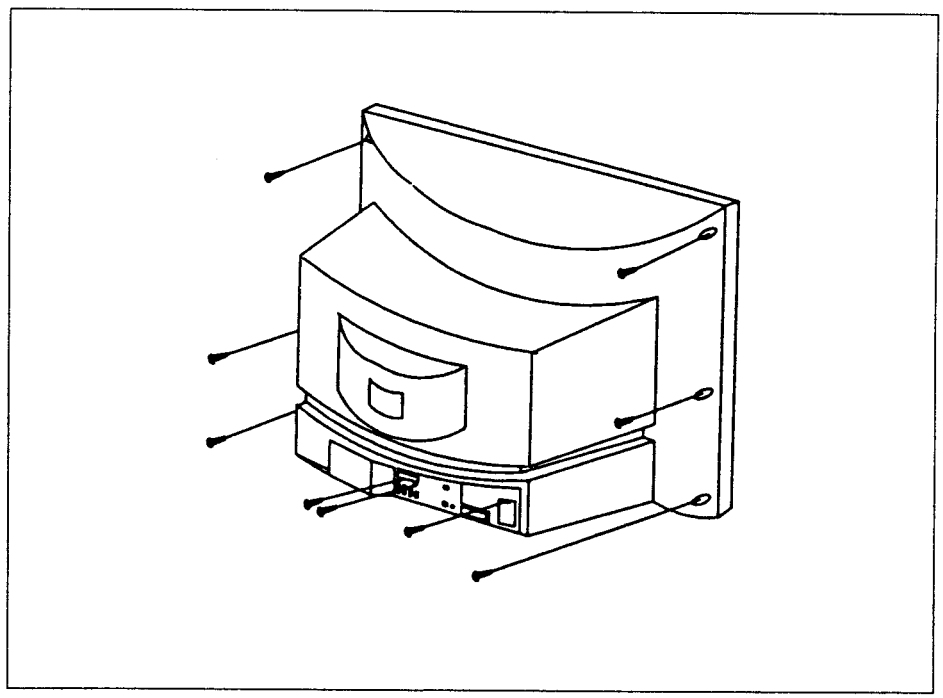
Memo

3. Disassembly and Reassembly

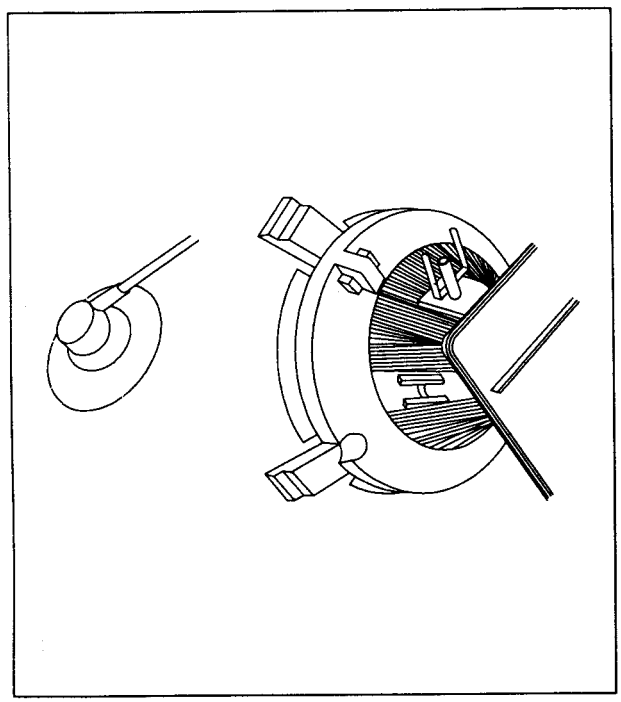
3-1 Back Cover Removal

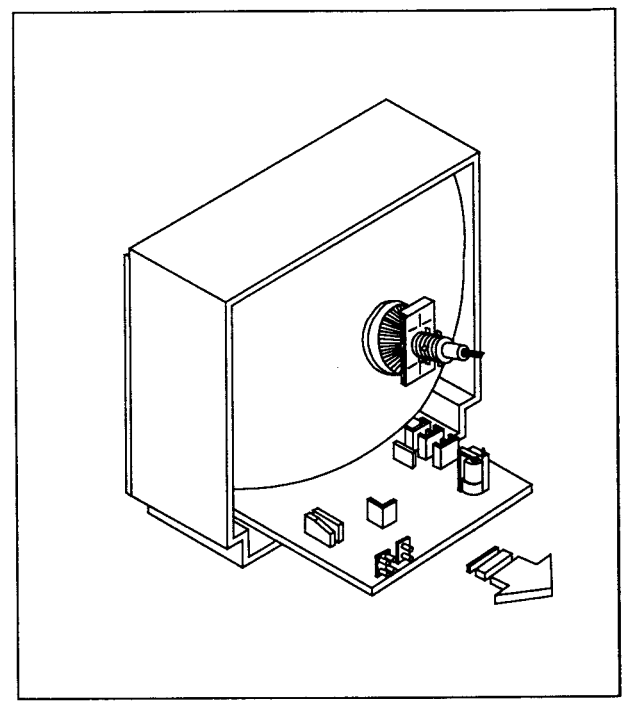


1. After removing the screws, press the tension rib and pull the cabinet backwards.
2. To reassemble, press the tension rib (See diagram).



3-2 Main Board Removal

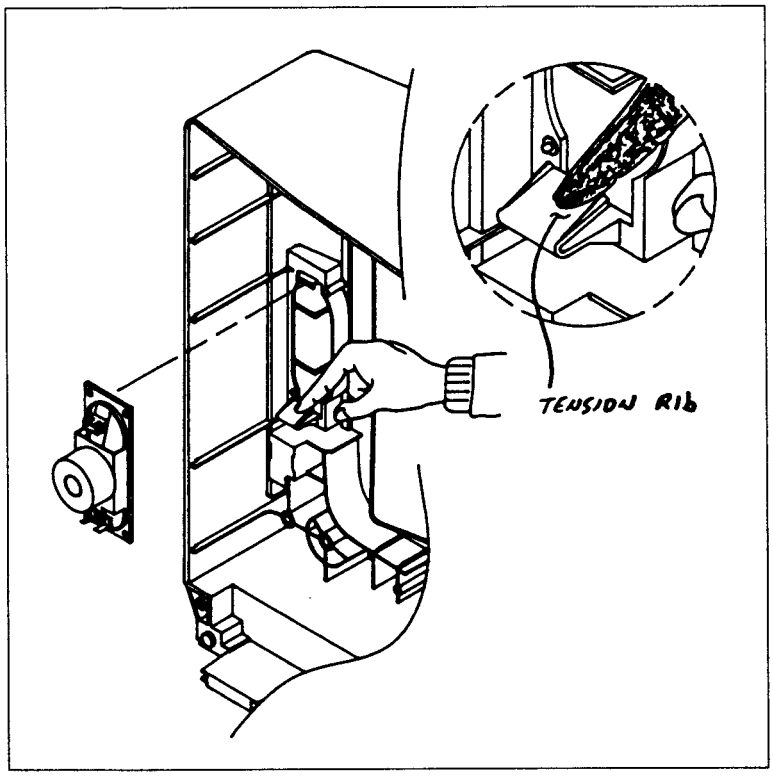




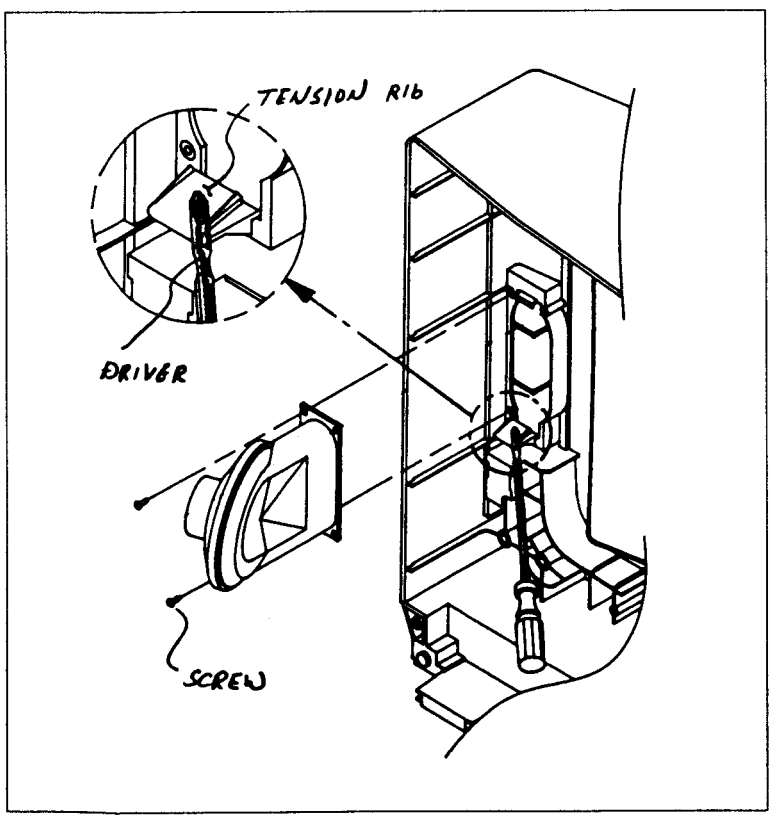
1. Separate the socket board from the CRT neck.
2. Remove the Anode Cap from the CRT.
3. Remove the main board by pulling it with both hands.

Warning: The FBT is charged with high voltage.
Before removing the Anode Cap, discharge the voltage through one of the heat sinks on the main board.

3-3 Speaker Removal

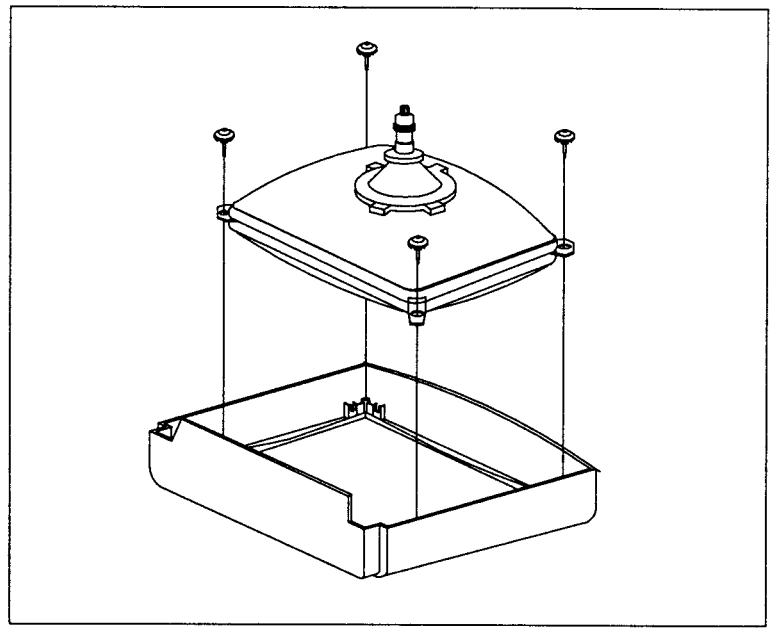


1. Remove the speaker by pressing the tension rib.



1. Remove the screws.
2. Remove the speaker by pressing the tension rib.

3-4 CRT Removal



1. Spread a soft mat on the floor. Place the TV set face down.

2. Remove the 4 nuts mounting the CRT to the front cabinet. Lift the CRT.

3. Caution: Because of the high vacuum and large surface area of the picture tube, be careful while handling it: (1) Always lift the picture tube by grasping it firmly around the faceplate, (2) Never lift the tube by its neck. (3) Do not scratch the picture tube or apply excessive pressure. Fractures of the glass may cause an implosion.

4. Alignment and Adjustment

4-1 Preadjustment

4-1-1 Factory Mode

1. Do not attempt these adjustments in the Video mode.

2. The Factory Mode adjustments are necessary when either the EEPROM (IC902) or the CRT is replaced.

3. Do not tamper with the "Adjustment" screen of the Factory Mode menu. This screen is intended only for factory use.

4-1-2 When EEPROM (IC902) Is Replaced

1. When IC902 is replaced all adjustment data revert to their initial values. It is necessary to re-program this data.

2. After IC902 is replaced, warm up the TV for 10 seconds

4-1-3 When CRT Is Replaced

1. Make the following adjustments AFTER setting up after setting up purity and convergence:

   White Balance
   Sub-Brightness
   Vertical Center (VR302)
   Vertical Size (VR301)
   Horizontal Shift

2. If the EEPROM or CRT is replaced, set PSL and PVA to 15 and 63 (Factory Mode). Then use VR301 and VR302 to adjust V-Size and V-Center.

4-2 Factory/Service Mode

4-2-1 Procedure for the "Adjustment" Mode

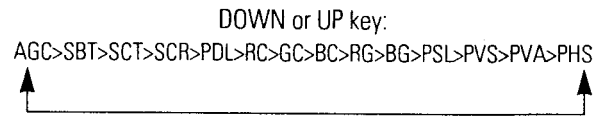
1. This mode uses the standard remote control. The Service Mode is activated by (1) pressing the "HIDDEN" service key on the local-keyboard, or (2) by entering the following remote-control sequence:

   STAND-BY → P.STD → HELP → SLEEP → POWER ON

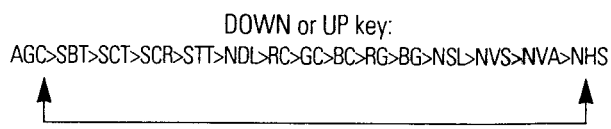
2. The "SERVICE (FACTORY)" message will be displayed. The Service Mode has four components: Adjustment, Test Pattern, Option Bytes and Reset.

3. Access the Adjustment Mode by pressing the "VOLUME" keys (Up or Down). The adjustment parameters are listed in the accompanying table, and selected by pressing the CHANNEL keys (▲,▼).

4. Selection sequences for the PAL system:



5. Selection sequences for the NTSC system:



6. The VOLUME keys increase or decrease the adjustment values, which are stored in the non-volatile memory when Adjustment mode is cancelled.

7. Cancel the Adjustment Mode by repressing the "HIDDEN" key or the "STATUS" key.

4-2-2 Main Adjustment Parameter

Table 4-1 Main Adjustment Parameter (Zilog μ-com) NON TTX			
FUNCTION	OSD ABBREVIATION	RANGE	INITIAL DATA
AUTO GAIN CONTROL	AGC	0 ~ 63 STEP	40
SUB BRIGHT	SBT	0 ~ 63 STEP	44
SUB CONTRAST	SCT	0 ~ 63 STEP	32
SUB COLOR	SCR	0 ~ 27 STEP	13
SUB TINT	STT	0 ~ 27 STEP	13
PAL DELAY	PDL	0 ~ 7 STEP	2
NTSC DELAY	NDL	0 ~ 7 STEP	2
RED CUTOFF	RC	0 ~ 254 STEP	0
GREEN CUTOFF	GC	0 ~ 254 STEP	0
BLUE CUTOFF	BC	0 ~ 254 STEP	0
RED-GREEN DRIVE GAIN	RG	0 ~ 63 STEP	32
BLUE-GREEN DRIVE GAIN	BG	0 ~ 63 STEP	32
PAL VERTICAL SLOPE	PSL	0 ~ 31 STEP	15
PAL VERTICAL SHIFT	PVS	0 ~ 15 STEP	6
PAL VERTICAL AMPLITUDE	PVA	0 ~ 63 STEP	32
PAL HORIZONTAL SHIFT	PHS	0 ~ 15 STEP	0
NTSC VERTICAL SLOPE	NSL	0 ~ 31 STEP	15
NTSC VERTICAL SHIFT	NVS	0 ~ 15 STEP	6
NTSC VERTICAL AMPLITUDE	NVA	0 ~ 63 STEP	32
NTSC HORIZONTAL SHIFT	NHS	0 ~ 15 STEP	0

NOTE : PVS,PVA, PHS, NVS, NVA,NHS parameters must be aligned using both the 50Hz and 60Hz vertical-field rates.

4-2-3 Test Pattern (Aging mode)

1. This mode can be used during servicing, or for confirming that the convergence and purity adjustments are correct.

2. Access the Test Pattern parameters by pressing a CHANNEL keys (▲, ▼) while the Service Mode is on. The cursor will move to the test pattern. Press the VOLUME keys. On-screen display:

   - RED
   - GREEN — NON-TTX MICOM ONLY
   - BLUE
   - AGING — TTX MICOM

3. AGING Mode (Reference Only)

   This pattern is used for pre-heating the CRT during manufacturing--it is accessed in the factory by twice pressing the "FACTORY" key .

   Even if the TV power is cut off, the Aging Mode is not cancelled. The AGING mode is cancelled by repressing the "FACTORY" key.
   The patterns are displayed at 5 sec intervals : NON-TTX MICOM ONLY.

4-2-4 Option Bytes

In the Service Mode, various options can be selected via the Option Bytes (8 bits each). Example:

SYSTEM OSD DISPLAY

	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
BYTE 0 : 8 -			L (BIT : 0)	H (BIT : 8)	L (BIT : 0)	L (BIT : 0)	L (BIT : 0)
BYTE 1 : 0 -	L (BIT :0)	L (BIT : 0)	L (BIT : 0)	L (BIT : 0)	L (BIT : 0)	L (BIT : 0)	L (BIT : 0)

CS SYSTEM, ENGLISH OSD, SYSTEM OSD DISPLAY

BYTE 0 : 9	L (BIT : 0)	H (BIT : 8)	L (BIT : 0)	H (BIT : 0	L (BIT : 1)

4-2-4 (a) For ASIA, Middle East and China:NON TTX Model

BYTE 0 TABLE

	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
HIGH VALUE	128	64	32	16	8	4	2	1
LOW VALUE	0	0	0	0	0	0	0	0

H : ENGLISH OSD ONLY
L : ENGLISH/MULTI LANGUAGE

H : PAL-B (CB) SYSTEM ONLY
L :

H : CW SYSTEM (PAL, SECAM, NTSC4.43)
L : CS SYSTEM (PAL, SECAM, NTSC4.43, NTSC3.58)

H : SYSTEM OSD DISPLAY
L : NO SYSTEM OSD DISPLAY

H : VIDEO MODE - NO CHANNEL OSD DISPLAY
L : VIDEO MODE - CHANNEL OSD DISPLAY

H : AUDIO AMP MUTE (EXTERNAL MUTE)
L :

BYTE 1 TABLE

	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
HIGH VALUE	64	32	16	8	4	2	1
LOW VALUE	0	0	0	0	0	0	0

H : HYPER TUNER
L : CATV TUNER

H :
L :

H : AUTO MUTE (AT NO SIGNAL STATES)
L : NO MUTE (AT NO SIGNAL STATES)

H : AUTO POWER ON
L :

H : AUTO POWER OFF
L :

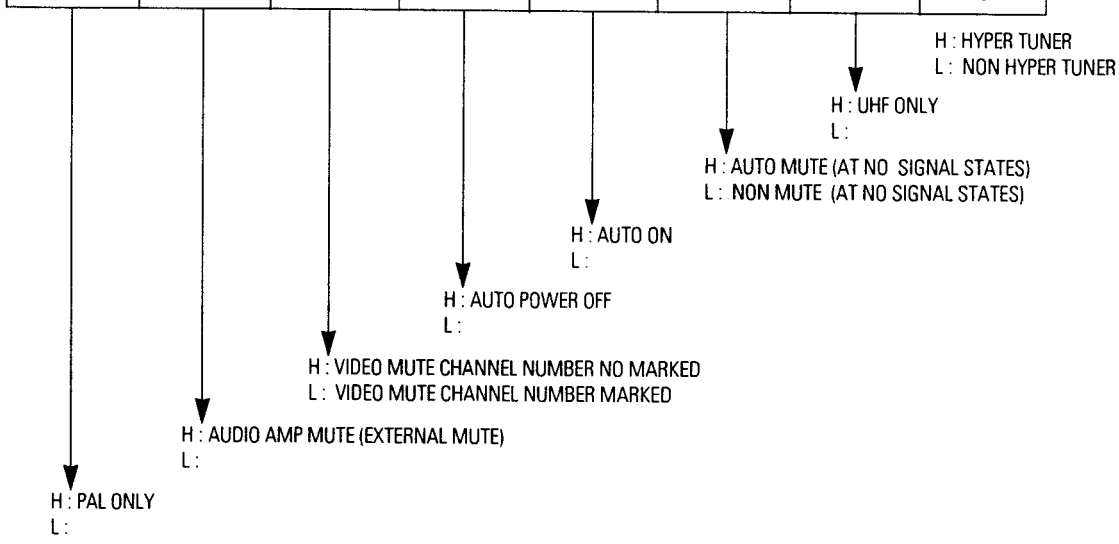
H : ANALOG AFT
L : BUS AFT

H : NO AFT SEARCH
L : AFT SEARCH

4-2-4 (b) For Europe, Oceania:NON TTX & TTX Model

BYTE 0 TABLE

	BIT 7	BIT 6	BIT 5	BIT 4	BIT 3	BIT 2	BIT 1	BIT 0
HIGH VALUE	128	64	32	16	8	4	2	1
LOW VALUE	0	0	0	0	0	0	0	0


H : HYPER TUNER
L : NON HYPER TUNER
H : UHF ONLY
L :
H : AUTO MUTE (AT NO SIGNAL STATES)
L : NON MUTE (AT NO SIGNAL STATES)
H : AUTO ON
L :
H : AUTO POWER OFF
L :
H : VIDEO MUTE CHANNEL NUMBER NO MARKED
L : VIDEO MUTE CHANNEL NUMBER MARKED
H : AUDIO AMP MUTE (EXTERNAL MUTE)
L :
H : PAL ONLY
L :

BYTE 1 TABLE (NON-TTX MODEL ONLY)

	BIT 0
HIGH VALUE	1
LOW VALUE	0

H : ENG ONLY
L : ENG/MULTI LANGUAGE

4-2-5 RESET

The Reset Mode is used during factory inspection.
Function Reset:

1.	Channels	Added/Erase
2.	Sort	Non
3.	Language	Basic (English)
4.	System	Auto (Non-TTX micom only)

4-3 Other Adjustments

4-3-1 General

1. Usually, a color TV needs only slight touch-up adjustment upon installation. Check the basic characteristics such as height, horizontal and vertical sync and focus.
2. Observe the picture for good black and white details. There should be no objectionable color shading; if color shading is present, perform the purity and convergence adjustments described below.
3. Use the specified test equipment or its equivalent.
4. Correct impedance matching is essential.
5. Avoid overload. Excessive signal from a sweep generator might overload the front-end of the TV. When inserting signal markers, do not allow the marker generator to distort test results.
6. Connect the TV only to an AC power source with voltage and frequency as specified on the backcover nameplate.
7. Do not attempt to connect or disconnect any wires while the TV is turned on. Make sure that the power cord is disconnected before replacing any parts.
8. To protect against shock hazard, use an isolation transformer.

4-3-2 Automatic Degaussing

A degaussing coil is mounted around the picture tube, so that external degaussing after moving the TV should be unnecessary. But the receiver must be properly degaussed upon installation.

The degaussing coil operates for about 1 second after the power is switched ON. If the set has been moved or turned in a different direction, disconnect its AC power for at least 120 minutes.

If the chassis or parts of the cabinet become magnetized, poor color purity will result. If this happens, use an external degaussing coil. Slowly move the degaussing coil around the faceplate of the picture tube and the sides and front of the receiver. Slowly withdraw the coil to a distance of about 6 feet before removing power.

4-3-3 High Voltage Check

CAUTION: There is no high voltage adjustment on this chassis. The B+ power supply must be set to +125 volts (Full color bar input and normal picture level).

1. Connect a digital voltmeter to the second anode of the picture tube.
2. Turn on the TV. Set the Brightness and Contrast controls to minimum (zero beam current).
3. The high voltage should not exceed28KV.
4. Adjust the Brightness and contrast controls to both extremes. Ensure that the high voltage does not exceed 28KV under any conditions.

4-3-4 FOCUS Adjustment

1. Input a black and white signal.
2. Adjust the tuning control for the clearest picture.
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

4-3-5 Screen Adjustment

1. Tune to an ACTIVE channel.
2. Adjust the VR screen for a normal picture is (no blooming or flyback line).
3. Adjust the FOCUS control for well defined scanning lines in the center area of the screen.

4-3-6 Purity Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Plug in the CRT deflection yoke and tighten the clamp screw.
3. Plug the convergence yoke into the CRT and set in as shown in Fig. 4-1.
4. Input a black and white signal.
5. Fully demagnetize the receive by applying an external degaussing coil.
6. Turn the CONTRAST and BRIGHTNESS controls to maximum.
7. Loosen the clamp screw holding the yoke. Slide the yoke backward or forward to provide a vertical green belt. (Fig. 4-2).
8. Tighten the convergence yoke.
9. Slowly move the deflection yoke forward, and adjust for the best overall green screen.
10. Temporarily tighten the deflection yoke.
11. Produce blue and red rasters by adjusting the low-light controls. Check for good purity in each field.
12. Tighten the deflection yoke.

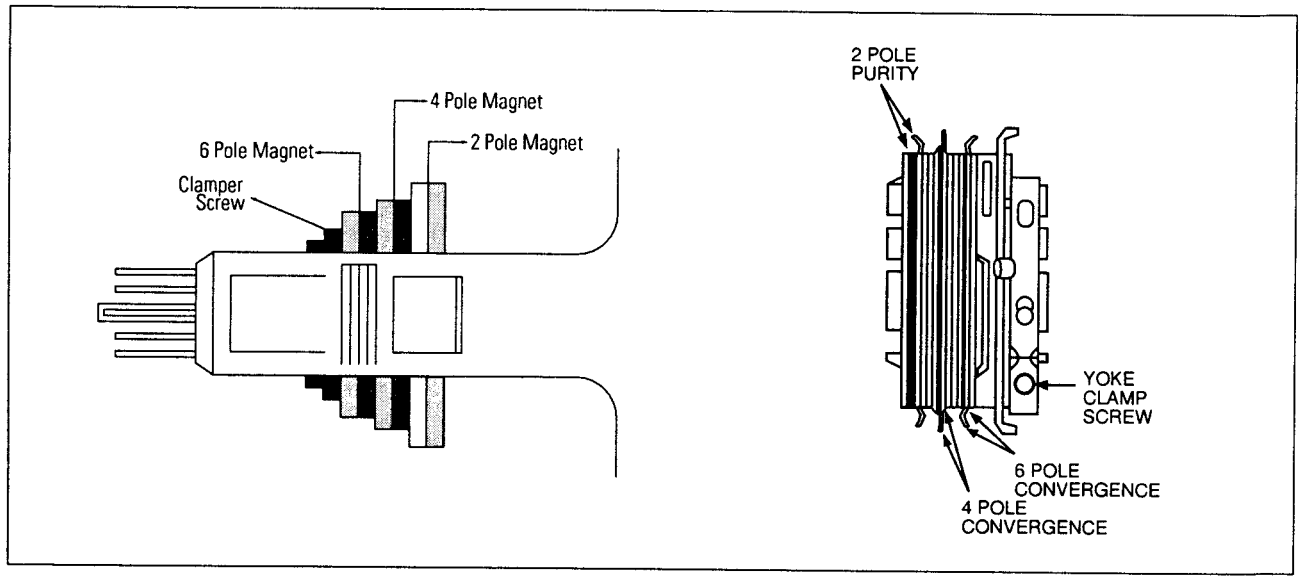


Fig. 4-1 Convergence Magnet Assembly

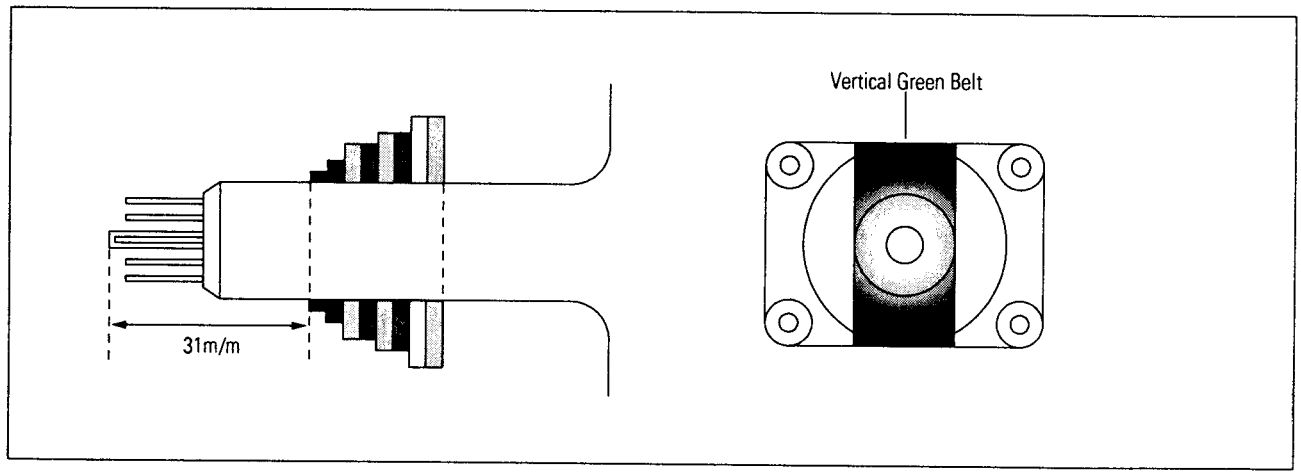


Fig. 4-2 Center Convergence Adjustment

4-3-7 White Balance Adjustment

4-3-7 (a) Low-light Adjustments:

1. Input either a lion head or a "pure white" pattern.
2. Warm up the TV for 30 minutes.
3. Check the data in the service mode:
   RC, GC, BC are 0, RG, BG should be 32 (initial data).
4. Enter Horizontal Line mode by pressing MUTE.
5. Adjust the Screen VR on the FBT so that a dim colored line (red,green or blue) appears on the screen.
6. Adjust RC, BC, GC until the dim-colored line becomes white.
7. Exit the Horizontal Line mode via the MUTE key.

4-3-7 (b) High-light Adjustments:

1. After making the low-light adjustments, input a high-light pattern.
2. Adjust RG,BG in the Service Mode.
3. Recheck in low light.

4-3-8 Center Convergence Adjustment

1. Warm up the receiver for at least 20 minutes.
2. Adjust the two tabs of the 4 pole magnets to change the angle between them. Superimpose the red and blue vertical lines in the center area of the screen.
3. Adjust the Brightness and Contrast controls for a well defined picture.
4. Adjust the two-tab pairs of the 4 pole magnets, and change the angle between them. Superimpose the red and the blue vertical lines in the center area of the screen.
5. Turn the both tabs at the same time, keeping the angle constant, and superimpose the red and blue horizontal line in the center of the screen.
6. Adjust the two-tab pairs of the 6-pole magnets to superimpose the red and blue line onto the green. (Changing the angle affects the vertical lines, and rotating both magnets affects the horizontal lines.)
7. Repeat adjustments 2~6, if necessary.
8. Since the 4-pole magnets and 6-pole magnets interact, the dot movement is complex (Fig. 4-3).

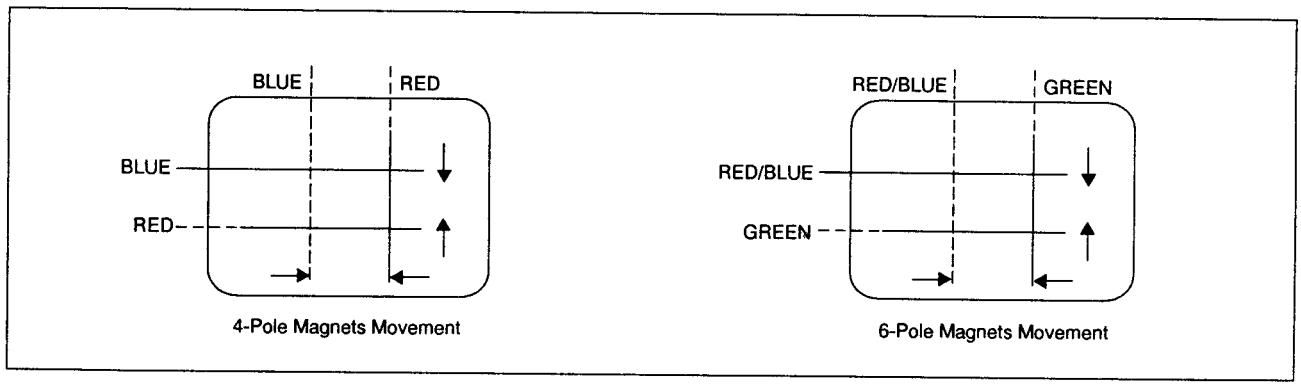


Fig 4-3 Center Convergence Adjustment

4-3-9 PIF Adjustment

1. Input a 38.9 MHz signal to the tuner (IF). Use a pattern generator (PM5518).
2. Connect DMM to IC101 Pin 1.
3. Turn T101 towards the right, and set it to 4.0 ± 0.3V.

4-3-10 SIF VCO Adjustment

1. Input a color bar pattern. Use a pattern generator without modulating the audio signal.
2. Set the oscilloscope to AC 2MV/DIV, 50NSEC/DIV. Adjust TK01 for a maximum sine wave (probe 10:1). Connect the oscilloscope probe to Pin 2 (M52309SP).

4-3-11 RF AGC Adjustment

1. Input a VHF High channel (80dB).
2. Adjust the AGC in the Factory mode. Set Pin 4 to 2.5±0.05V(DC).

4-3-12 Sub-Contrast Adjustment

1. Input a gray scale. (Use a pattern generator, PM5518).
2. Short D202, Switch off the ABL feedback.
3. Check GN501B G-OUT (use an oscilloscope).
4. Set RC,GC,BC data to 0 in the Factory Mode.
5. Adjust Sub-Contrast (SCT) in the Factory Mode. Set the black and white level to 2.0V ± 0.05Vp-p.
6. Remove the short across D202 and restore ABL.

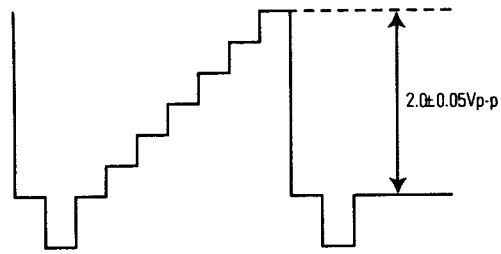


Fig. 4-4

4-3-13 Sub-Tint Adjustment (CW model)

1. Input NTSC color bars. (Use a pattern generator (PM5518.)
2. Check CN501B B-OUT (oscilloscope).
3. Adjust the 1st and 2nd bars so that their heights are equal.

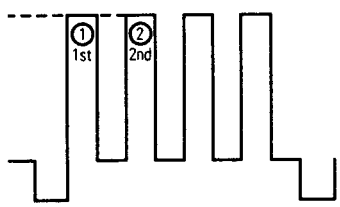


Fig. 4-5

4-3-14 Sub-Color Adjustment

1. Input a color bar pattern. (Use a pattern generator, PM5518.)
2. Check CN501B G-OUT with an oscilloscope.

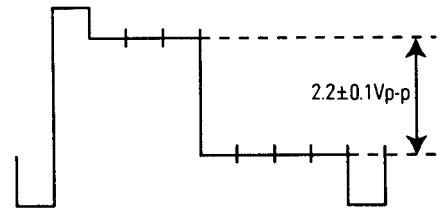


Fig. 4-6

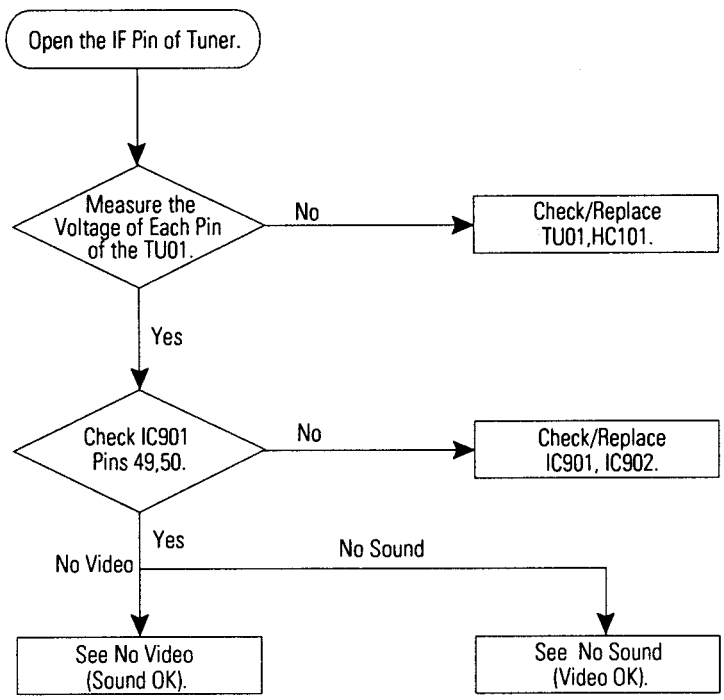
3. Short D202 and switch off the ABL feed-back.
4. Adjust SCR to 2.2V ± 0.1V in the Factory Mode.
5. Remove the short across D202 and restore the ABL.

4-3-15 Geometry Adjustment

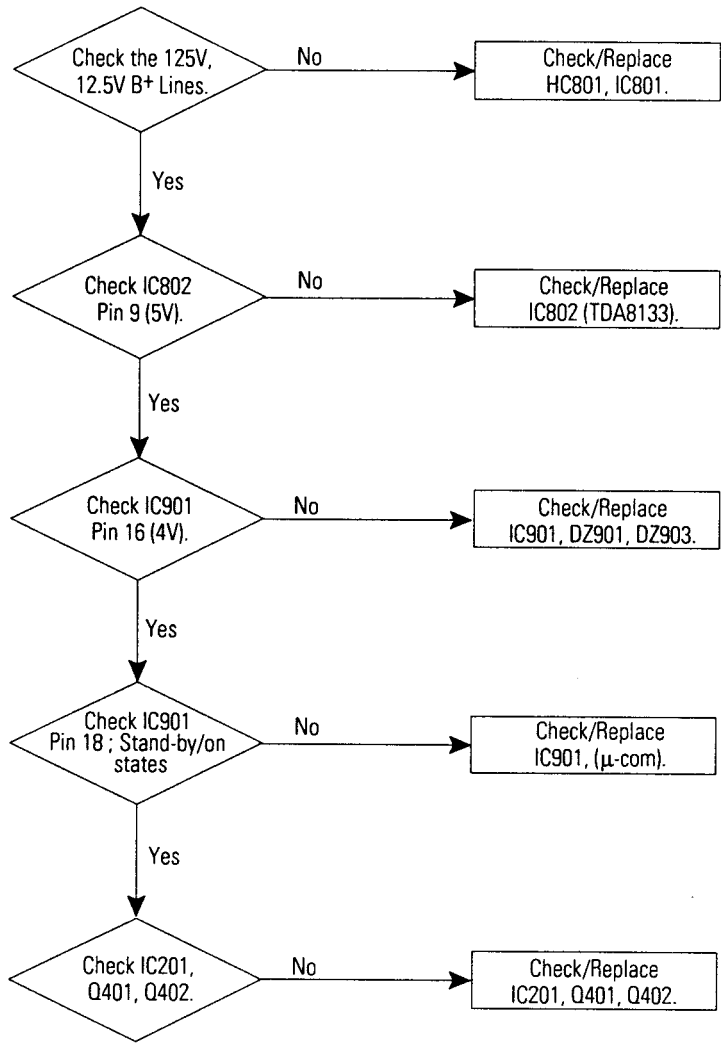
1. Input a lion head pattern.
2. Set PVA 63 data to PSL15 in the Factory Mode.
3. Change PHS to horizontally center the pattern.
4. Adjust VR302 so that the screen center and the CRT center are equal.
5. Adjust VR301 so that the top and bottom margins are both 4.0.

5. Troubleshooting

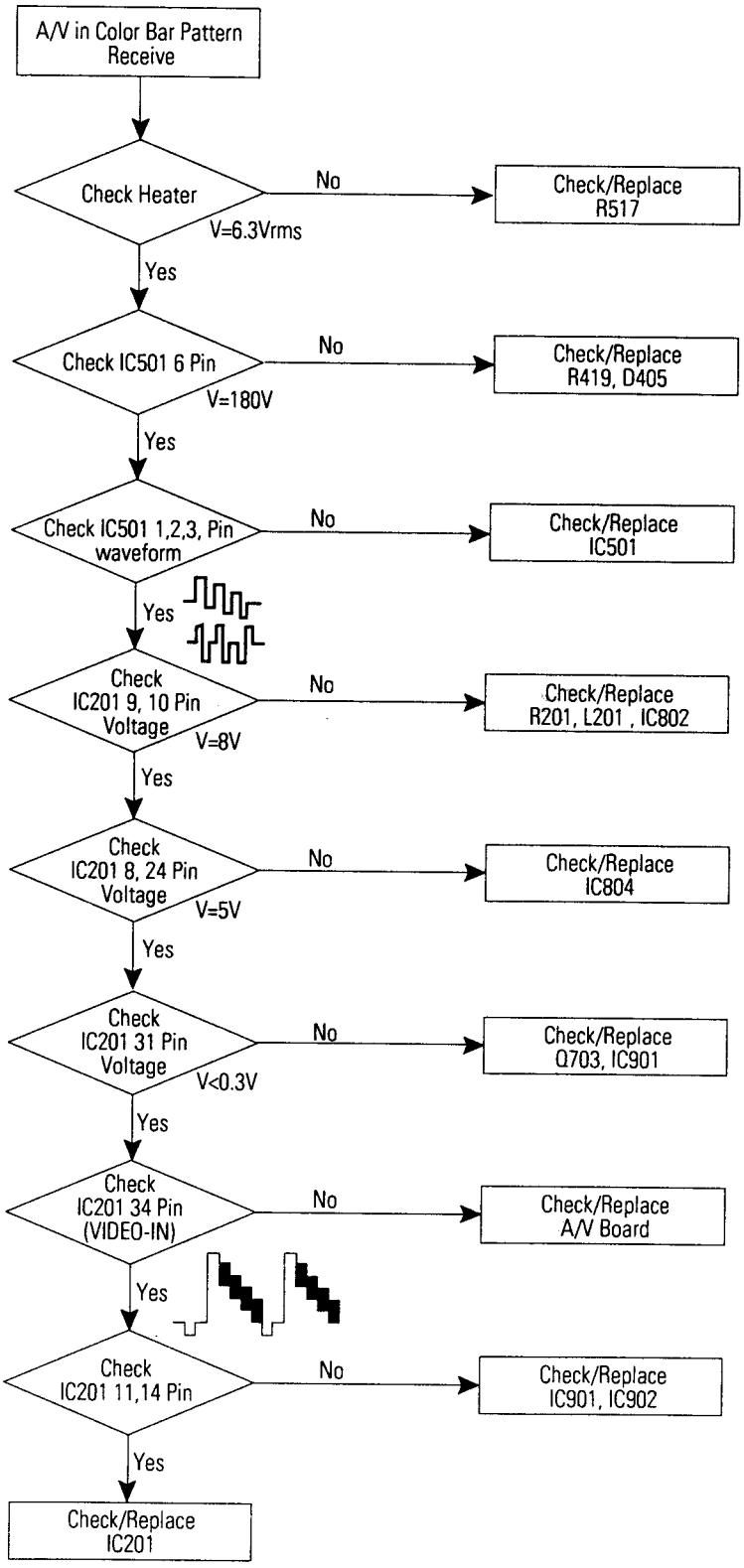
5-1 No Video (Raster On, No Sound)



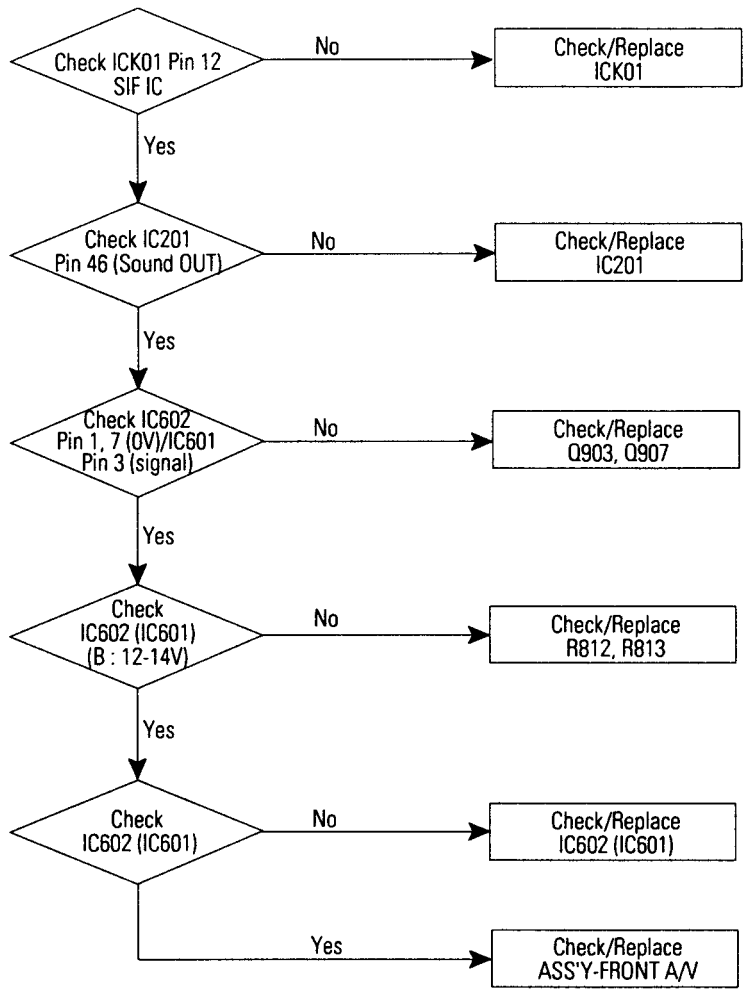
5-2 No Power


Check the 125V, 12.5V B+ Lines.
No
Check/Replace HC801, IC801.
Yes
Check IC802 Pin 9 (5V).
No
Check/Replace IC802 (TDA8133).
Yes
Check IC901 Pin 16 (4V).
No
Check/Replace IC901, DZ901, DZ903.
Yes
Check IC901 Pin 18 ; Stand-by/on states
No
Check/Replace IC901, (μ-com).
Yes
Check IC201, Q401, Q402.
No
Check/Replace IC201, Q401, Q402.

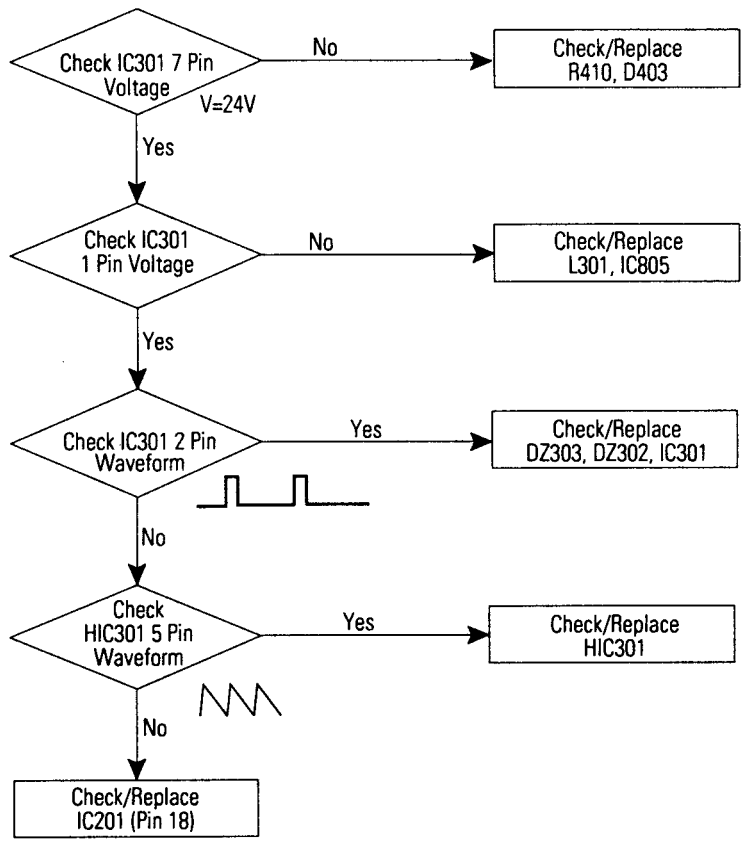
5-3 No Video (Sound OK)



5-4 No Sound (Video OK)



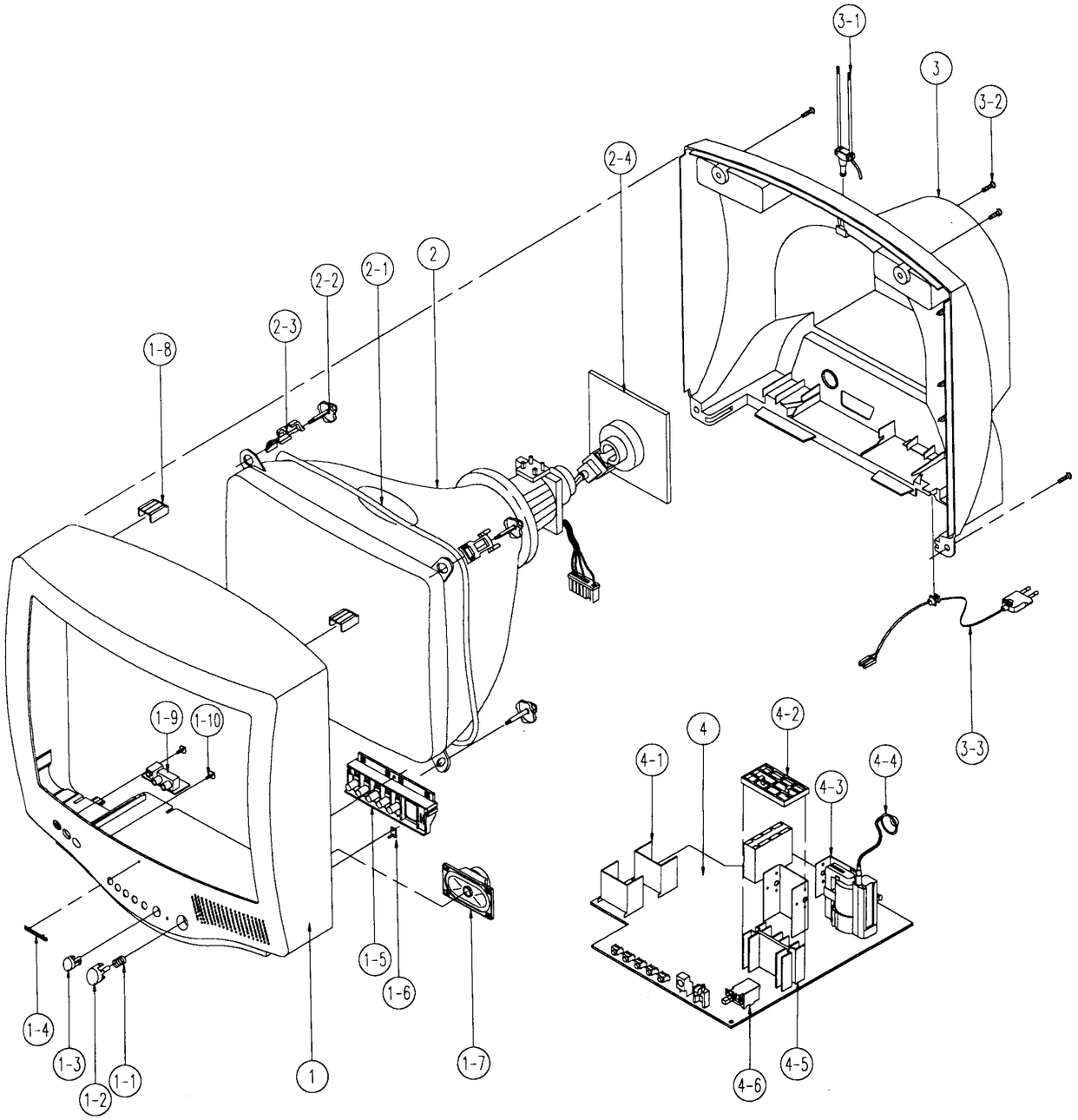
5-5 No Vert Scan (One Horizontal Line Raster)



Memo

6. Exploded View and Parts List

CB5079Z Mechanical Parts



"Generic" parts (resistors,capacitors,etc.) cannot be ordered from the main factory.
We suggest that you order "generic" parts from either the local factory or a local supplier.

No	OLD Code	NEW Code	Description	Specification	Remarks	Q'ty
			ASSY-CABINET,FRONT			1
1		AA92-30162B	ASSY-CABINET,FRONT	CB5079Z/UKVCX	CKD S.N.A	1
			CABINET-FRONT		LOCAL	1
1-1	36674-137-890	AA61-60003J	SPRING-CS	-,-,SUS304,P10.5,-,-,-		1
1-2			KNOB-POWER		LOCAL	1
1-3	34074-0130-000	AA64-40245A	WINDOW-REMOCON	-,PC,-,-,VIOLET,-,50.5379		1
1-4	34533-0079-010	AA64-70015A	BADGE-BRAND	-,AL,-,L45,SILVER,R2000 S		1
1-5			KNOB-CONTROL		LOCAL	1
1-6	34164-0074-000	AA64-40250A	INDICATOR-LED	-,ACRYL,HB,-,-,-,50.5379		1
1-7		A1300-0067	SPEAKER-GENERAL	3W 16OHM 110X42 114CR03A		1
1-8			BOSS-CABINET(WING)		LOCAL	1
1-9		AA95-90009T	ASSY-PCB,A/V FRONT	DP,CX5079Z/MVTX,SCT11B,3W		1
1-10	37144-001-210	AA60-10002A	SCREW-TAPPING	-,RH,+,M4,L12,ZPC(YEL) OD		2
			ASSY-CRT			
2			CRT-COLOR		LOCAL	1
2-1	A1149D0013	AA27-20002S	COIL-DEGAUSSING	DP,20",13.5OHM,35T,L2300,		1
2-2		37124-100-830	SCREW-CRT	RH5X35 FE FZY		4
2-3	36635-112-110	AA65-30019A	CLAMP-D,COIL	-,NYLON,V0,NTR,DADH-460 2		4
2-4		A3047D0010	SOCKET-CRT	ISHS09S,P125.5,HI-FOCUS 9		1
			CABINET-BACK,ASSY			
3			CABINET-BACK		LOCAL	1
3-1			ANT-ROD		LOCAL	1
3-2		37148-540-153	SCREW-TAP,RH	2S-4X15 FE FZB		4
3-3	A6006-0252	AA39-10002W	POWER-CORD	-,KKJ-1004A,HO3VVH2-F,2.2		1
			ASSY-CHASSIS			
4		AA97-10032X	ASSY-PCB,MAIN(COM)	CI5079Z/UKVCX,SCT11B,U.K	CKD S.N.A	1
	36029-0516-000	AA41-10443A	PCB-MAIN	PP1,1,FR-1,245X245X1.6T	BARE PCB	1
4-1	3H83-00830-001	AA96-50121B	ASSY-H/S	-,POWER,AA62-30030A,TDA81	IC802	1
4-2	33314-0056-010	AA63-30069A	COVER-HEATSINK	-,ABS,-,-,NTR,-,HEATSINK		1
4-3	3H82-00530D002	AA96-50160C	ASSY-H/S	DP,-,AA96-50063C,KSD5072Y	Q401	1
4-4	A1201-0033	AA26-30001Y	TRANS-FRYBACK	-,FSV-20A001,20",125V	LOCAL	1
4-5	3H83-00820-003	AA96-50120C	ASSY-H/S	-,POWER,AA62-30008A,SMR40	IC801	1
4-6	A3002-0014	3403-000179	SWITCH-PUSH	250V,5A,DPST,-		1

7. Electric Parts List

7-1 CB5079Z Common

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
			ASSY-PCB,MAIN(COM)		
	*	AA97-10032Q	ASSY-PCB,MAIN(COM)	CB5079Z/UKVCX,SCT11B,GERM	
LOT03	36029-0516-000	AA41-10443A	PCB-MAIN	PP1,1,FR-1,245X245X1.6T	BARE PCB
C101		31607-402-220	C-ELECTROLYTIC	CE04W TAPG 50V 2.2M	
C102	31607-402-160	2401-001082	C-AL	330NF,20%,50V,GP,5X11MM,5	
C103	31607-401-470	2401-000269	C-AL	100UF,20%,16V,GP,6X11MM,5	
C104	31607-902-250	2401-000758	C-AL	220NF,20%,50V,GP,5X11MM,5	
C105	A1100-0340	2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C107	A1100-0340	2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C108	31607-402-250	2401-000480	C-AL	10UF,20%,50V,GP,5X11MM,5M	
C109	31417-344-104	2201-000119	C-CERAMIC,DISC	100NF,+80-20%,50V,Y5V,8X5	
C201	31607-402-170	2401-000223	C-AL	100NF,20%,50V,LL,5X11MM,5	
C202	31607-401-460	2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C203	31607-401-430	2401-000440	C-AL	10UF,20%,25V,GP,5X11MM,5M	
C204	31407-105-260	2201-000573	C-CERAMIC,DISC	47PF,5%,50V,NPO,6.5X3.0,5	
C205	A1100-0803	2202-000127	C-CERAMIC,MLC-AXIAL	10NF,+80-20%,25V,Y5V,-,7.	
C206	31607-402-210	2401-000603	C-AL	1UF,20%,50V,GP,5X11MM,5MM	
C207	31607-401-460	2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C208	31607-401-460	2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C209	A1100-0802	2202-000222	C-CERAMIC,MLC-AXIAL	3.3NF,20%,16V,Y5P,-,7.5MM	
C210	A1100-0908	2202-000716	C-CERAMIC,MLC-AXIAL	1.8NF,20%,16V,Y5R,3.5X19M	
C211	31507-127-017	2301-000301	C-FILM,PEF	6.8NF,5%,50V,6.5X5.5X3.0X	
C212	31507-127-010	2301-000285	C-FILM,PEF	47NF,5%,50V,7.5X4.0X6.5,5	
C214	31607-402-210	2401-000603	C-AL	1UF,20%,50V,GP,5X11MM,5MM	
C215	31507-127-007	2301-000175	C-FILM,PEF	15NF,5%,50V,7.1X3.5X13MM,	
C216	31607-402-210	2401-000603	C-AL	1UF,20%,50V,GP,5X11MM,5MM	
C217	A1100-0338	2202-000173	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C218	A1100-0338	2202-000173	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C219		31607-402-200	C-ELECTROLYTIC	CE04W TAPG 50V 0.47M	
C220	31607-401-460	2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C221	31607-401-460	2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C222		31607-402-200	C-ELECTROLYTIC	CE04W TAPG 50V 0.47M	
C226	31507-127-010	2301-000285	C-FILM,PEF	47NF,5%,50V,7.5X4.0X6.5,5	
C228	31407-105-660	2201-000144	C-CERAMIC,DISC	100PF,5%,50V,NPO,8.0X4.0M	
C229	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C230	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C231		31607-402-200	C-ELECTROLYTIC	CE04W TAPG 50V 0.47M	
C232	31607-402-530	2401-001323	C-AL	470NF,20%,50V,BP,6X11MM,5	
C233	A1100-0879	2202-000286	C-CERAMIC,MLC-AXIAL	56PF,5%,50V,SL,1.9X3.5MM,	
C234	A1100-0472	2202-000231	C-CERAMIC,MLC-AXIAL	330PF,10%,50V,Y5P,3.5X19M	
C235	A1100-0338	2202-000173	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C236	A1100-0338	2202-000173	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C237	A1100-0340	2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C239	31507-137-005	2301-000198	C-FILM,PEF	2.2NF,5%,100V,10.5X12.5X6	
C240	31417-109-140	2201-000161	C-CERAMIC,DISC	10NF,+80-20%,500V,Y5V,10X	
C251	A1100-0808	2202-000717	C-CERAMIC,MLC-AXIAL	2.7NF,20%,16V,Y5R,-,7.5MM	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
C252	31607-902-250	2401-000758	C-AL	220NF,20%,50V,GP,5X11MM,5	
C302	A1104-0012	2401-001397	C-AL	470UF,20%,25V,GP,10X16MM,	
C303	A1104-0808	2401-002214	C-AL	2.2UF,20%,50V,-,5X11,5MM,	
C304		A1102-0302	C-FILM	CF 922 N 100V T 104-J -40	
C305	31507-127-000	2301-000192	C-FILM,PEF	1NF,5%,50V,5.3X10MM,5MM,T	
C306	31507-127-006	2301-000380	C-FILM,PEF	10NF,5%,50V,6.5X3MM,5MM,T	
C307	A1104-0809	2401-002212	C-AL	10UF,20%,25V,-,5X11,5.0MM	
C308	31607-402-230	2401-001026	C-AL	3.3UF,20%,50V,GP,5X11MM,5	
C309	A1104-0534	2401-000166	C-AL	1000UF,20%,25V,WT,13X20MM	
C310	31507-127-006	2301-000380	C-FILM,PEF	10NF,5%,50V,6.5X3MM,5MM,T	
C401	31507-127-006	2301-000380	C-FILM,PEF	10NF,5%,50V,6.5X3MM,5MM,T	
⚠ C402		31519-400-005	C-M,POLYPROPYLENE	CFS 922M 1600V 0.0072-J	
C403	31417-767-102	2201-000288	C-CERAMIC,DISC	1NF,10%,2KV,Y5P,10X5MM,10	INCH
⚠ C404	31516-400-020	2306-000204	C-FILM,MPPF	430NF,5%,400V,-,20MM,TP	
⚠ C405	31517-003-020	2305-000154	C-FILM,MPEF	100NF,5%,400V,21.5X6.5X11	
C407	A1104-0561	2401-000335	C-AL	100UF,20%,35V,WT,10X12.5M	
C408	31417-106-090	2201-000556	C-CERAMIC,DISC	470PF,10%,500V,Y5P,6X3.5M	
C409	A1104-0810	2401-002211	C-AL	1000UF,20%,35V,-,13X25,5M	
C410	31607-401-670	2401-001530	C-AL	47UF,20%,25V,GP,5X11MM,5M	
C411	31417-106-090	2201-000556	C-CERAMIC,DISC	470PF,10%,500V,Y5P,6X3.5M	
C412		A1104-0536	C-ELEC	CE 04 F 250V T 220-M RG 1	
C413	31507-127-008	2301-000224	C-FILM,PEF	22NF,5%,50V,7.4X3.9X13MM,	
C414	31607-401-670	2401-001530	C-AL	47UF,20%,25V,GP,5X11MM,5M	
C415		A1104-0741	C-ELEC	CE 04 -40/105 250V T 2R2-	
⚠ C501		31517-390-502	C-M,POLYESTER	CFS922M TAPG 250V 104-J	
C503	A1100-0796	2202-000279	C-CERAMIC,MLC-AXIAL	47PF,5%,50V,SL,3.5X19MM,-	
C504	A1100-0796	2202-000279	C-CERAMIC,MLC-AXIAL	47PF,5%,50V,SL,3.5X19MM,-	
C505	A1100-0796	2202-000279	C-CERAMIC,MLC-AXIAL	47PF,5%,50V,SL,3.5X19MM,-	
C506		A1100-0831	C-CERAMIC	CK 45 Z4V 3KV T 103-Z HCF	
C507	A1102-0291	2305-000289	C-FILM,MPEF	220NF,5%,63V,-,5MM,TP	
C508	31607-403-580	2401-000636	C-AL	2.2UF,20%,315V,GP,10X12.5	
C509	31607-403-580	2401-000636	C-AL	2.2UF,20%,315V,GP,10X12.5	
C601	A1100-0823	2202-000199	C-CERAMIC,MLC-AXIAL	22NF,+80-20%,25V,Y5V,-,7.	
C605	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C606	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C610	31607-401-670	2401-001530	C-AL	47UF,20%,25V,GP,5X11MM,5M	
C611	31507-127-006	2301-000380	C-FILM,PEF	10NF,5%,50V,6.5X3MM,5MM,T	
C612	31607-402-530	2401-001323	C-AL	470NF,20%,50V,BP,6X11MM,5	
C701	31607-803-730	2401-001264	C-AL	4.7UF,20%,50V,BP,6X11MM,5	
C702	31607-803-730	2401-001264	C-AL	4.7UF,20%,50V,BP,6X11MM,5	
C703	A1100-0798	2202-000121	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
C705	A1100-0798	2202-000121	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
C706	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C707	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C708	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C709	31607-401-460	2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C801		A1104-0482	C-ELEC	CE 04 B 400V SN 221-M VEN	BLOC
C802		A1100-0991	C-CERAMIC	CK 45 Y5U 400VAC T 102-M	
C803	A1102-0331	2303-000163	C-FILM,PPF	2.2NF,5%,800V,-,-,TP	
C804		31466-001-005	C-CERAMIC,AC	CK45P E400V 222-M(T4KV)	
C805		31417-901-400	C-CERAMIC,HIC	CK45(T) B2KV 561-K	
C806		31607-403-990	C-ELECTROLYTIC	CE04W TAPG 200V 100M-M(16	
C807		31417-901-400	C-CERAMIC,HIC	CK45(T) B2KV 561-K	
C808		A1104-0472	C-ELEC	CE 04 -40/85 25V T 102-M	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
C809	31607-401-690	2401-000832	C-AL	220UF,20%,25V,GP,8X11MM,5	
C810	A1102-0292	2305-000355	C-FILM,MPEF	330NF,5%,63V,-,5MM,TP	
C811		31417-901-400	C-CERAMIC,HIC	CK45(T) B2KV 561-K	
C812	31607-401-470	2401-000269	C-AL	100UF,20%,16V,GP,6X11MM,5	
C813	31607-401-670	2401-001530	C-AL	47UF,20%,25V,GP,5X11MM,5M	
C814	A1102-0317	2306-000212	C-FILM,MPPF	470NF,20%,250V,-,22.5MM,B	
C816	31607-401-670	2401-001530	C-AL	47UF,20%,25V,GP,5X11MM,5M	
C817	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C819		A1104-0740	C-ELEC	CE 04 -55/105 25V T 471-M	
C820	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C851		A1104-0556	C-ELEC	CE 04 D 35V T 220-M RX 5X	
C852	A1100-0908	2202-000716	C-CERAMIC,MLC-AXIAL	1.8NF,20%,16V,Y5R,3.5X19M	
C853		31607-403-990	C-ELECTROLYTIC	CE04W TAPG 200V 100M-M(16	
C901	31607-401-470	2401-000269	C-AL	100UF,20%,16V,GP,6X11MM,5	
C902	A1100-0338	2202-000173	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C903	31607-401-430	2401-000440	C-AL	10UF,20%,25V,GP,5X11MM,5M	
C904	A1100-0338	2202-000173	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
C905		31607-402-200	C-ELECTROLYTIC	CE04W TAPG 50V 0.47M	
C906	31607-401-430	2401-000440	C-AL	10UF,20%,25V,GP,5X11MM,5M	
C908	31417-104-560	2201-000600	C-CERAMIC,DISC	560PF,10%,50V,Y5P,4X3.5MM	
C911	31607-401-430	2401-000440	C-AL	10UF,20%,25V,GP,5X11MM,5M	
C912	31407-105-700	2201-000234	C-CERAMIC,DISC	150PF,5%,50V,NPO,10X3.5MM	
C913	31507-127-001	2301-000108	C-FILM,PEF	1.5NF,5%,50V,6.5X3.0X5.5M	
C914	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C915	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C916	31507-137-001	2301-000188	C-FILM,PEF	1NF,5%,100V,10.5X12.5X6.5	
C918	31407-105-300	2201-000651	C-CERAMIC,DISC	68PF,5%,50V,NPO,8X3,5,TP	
C919	A1100-0338	2202-000173	C-CERAMIC,MLC-AXIAL	1NF,10%,50V,Y5P,1.9X3.5MM	
CK01	A1100-0803	2202-000127	C-CERAMIC,MLC-AXIAL	10NF,+80-20%,25V,Y5V,-,7.	
CK03	31607-402-070	2401-000947	C-AL	22UF,20%,35V,GP,5X11MM,-,	
CK04		31607-402-240	C-ELECTROLYTIC	CE04W TAPG 50V 4.7M	
CK05		31607-402-240	C-ELECTROLYTIC	CE04W TAPG 50V 4.7M	
CK06		31607-402-240	C-ELECTROLYTIC	CE04W TAPG 50V 4.7M	
CK07	31407-105-260	2201-000573	C-CERAMIC,DISC	47PF,5%,50V,NPO,6.5X3.0,5	
CN201	34047-019-060	33347-108-310	POST-HEADER	67094-003(AUTO)	
CN501	36434-0101-000	AA39-20122A	LEAD-CONNECTOR,ASSY	-,YBNH025-08,YBNH025-05/0	
CN601	34047-019-060	33347-108-310	POST-HEADER	67094-003(AUTO)	
CN701	34047-019-060	33347-110-110	POST-HEADER	67094-009 (AUTO)	
CN802	A1149D0013	AA27-20002S	COIL-DEGAUSSING	DP,20",13.5OHM,35T,L2300,	
CU01	31607-401-460	2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
CU02	B1102-0318	2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
CW901		A1113-0018	C-NETWORK	CX MCCB1H101MX4YT 50V 101	
D101		32119-101-360	IC	KA 33V(TAPG)	
D201		32167-406-480	DIODE	1N4148 TAPG	
D202	32167-208-550	0402-000216	DIODE-RECTIFIER	ERC24-06,600V,1.0A,DO-204	
D204		32167-406-480	DIODE	1N4148 TAPG	
D301	32167-201-170	0402-000546	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D401		A4104-0064	DIODE-RECT	1N4003 200V 1A T	
D402		A4104-0064	DIODE-RECT	1N4003 200V 1A T	
D403	32167-201-170	0402-000546	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D404	32167-201-170	0402-000546	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D405	32167-201-170	0402-000546	DIODE-RECTIFIER	TVR10G,400V,1.0A,DO-41	
D501	32167-208-550	0402-000216	DIODE-RECTIFIER	ERC24-06,600V,1.0A,DO-204	
D701		32167-406-480	DIODE	1N4148 TAPG	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
D800		A1330-0063	VARISTOR	INR10D561 560V 400MW 2500	
D801	B4104-0108	0402-000102	DIODE-BRIDGE	D2SB60,600V,1.5A,-	
D802	B4102-0068	0402-000540	DIODE-RECTIFIER	RU20A,600V,1.5A,-	
D803	B4102-0077	0402-000430	DIODE-RECTIFIER	FML-G02S,200V,2.5A,TO-220	
D901		32167-406-080	DIODE-ZENER	MTZ 5.1B	
D903		32167-406-480	DIODE	1N4148 TAPG	
D904		32167-406-480	DIODE	1N4148 TAPG	
D905		32167-406-480	DIODE	1N4148 TAPG	
D906		32167-406-480	DIODE	1N4148 TAPG	
D907		32167-406-480	DIODE	1N4148 TAPG	
D908		32167-406-480	DIODE	1N4148 TAPG	
D909		32167-406-480	DIODE	1N4148 TAPG	
D910		32167-401-800	DIODE-ZENER	EQA02-06A/MTZ5.6B(TAPG)	
D911		A4104-0064	DIODE-RECT	1N4003 200V 1A T	
D912		32167-406-480	DIODE	1N4148 TAPG	
D913		32167-406-480	DIODE	1N4148 TAPG	
DZ105	32167-406-140	0403-000690	DIODE-ZENER	MTZ10,10V,9.4-10.6V,500MW	
DZ106	32167-406-140	0403-000690	DIODE-ZENER	MTZ10,10V,9.4-10.6V,500MW	
DZ107	32167-406-140	0403-000690	DIODE-ZENER	MTZ10,10V,9.4-10.6V,500MW	
DZ201		32167-406-080	DIODE-ZENER	MTZ 5.1B	
DZ202		32167-406-080	DIODE-ZENER	MTZ 5.1B	
DZ302	32167-406-270	0403-000494	DIODE-ZENER	MTZ39B,39V,35.36/37.19V,5	
DZ303	32167-406-270	0403-000494	DIODE-ZENER	MTZ39B,39V,35.36/37.19V,5	
DZ401	32167-406-130	0403-000563	DIODE-ZENER	MTZ9.1B,9.1V,8.57-9.01V,5	
DZ701	32167-406-130	0403-000563	DIODE-ZENER	MTZ9.1B,9.1V,8.57-9.01V,5	
DZ702	32167-406-130	0403-000563	DIODE-ZENER	MTZ9.1B,9.1V,8.57-9.01V,5	
DZ703	32167-406-130	0403-000563	DIODE-ZENER	MTZ9.1B,9.1V,8.57-9.01V,5	
DZ704	32167-406-130	0403-000563	DIODE-ZENER	MTZ9.1B,9.1V,8.57-9.01V,5	
DZ801	32167-401-880	0403-000692	DIODE-ZENER	R2KN,150-170V,-,150V,TP,-	
DZ901	32167-406-130	0403-000563	DIODE-ZENER	MTZ9.1B,9.1V,8.57-9.01V,5	
DZ902		32167-406-080	DIODE-ZENER	MTZ 5.1B	
DZ903	32167-441-009	0403-000299	DIODE-ZENER	MTZ7.5C,7.5V,7.29-7.67V,5	
DZ904		32167-406-080	DIODE-ZENER	MTZ 5.1B	
DZ905		32167-401-800	DIODE-ZENER	EQA02-06A/MTZ5.6B(TAPG)	
⚠ F801	34709-084-730	3601-000261	FUSE-FERRULE	250V,3.15A,TIME LAG,GLASS	
F801A	33167-001-001	3602-000114	FUSE-HOLDER	-,-,30MOHM	
F801B	33167-001-001	3602-000114	FUSE-HOLDER	-,-,30MOHM	
GT01	33054-834-025	AA39-20010H	LEAD-CONNECTOR,ASSY	-,YFH800-01,S,1P,300,1617	
HC101		A4010-0073	IC-HYBRID	PAP101 PREAMP SIP BULK 6P	
HC301	A4010-0089	AA13-20002W	IC-HYBRID	-,VPG101,SIP,5P,V-PULSE G	
⚠ HC801	A4010-0090	AA13-20002X	IC-HYBRID	-,HIS-0169B,SIP,7P,SMPS C	
IC201		B4012-0614	IC-LINEAR	M52309SP-N6 SDIP STICK OK	
IC202	B4012-0361	1209-000214	IC-DELAY LINE	TDA4665,DIP,16P,300MIL,PL	
⚠ IC804	A4008-1092	1203-000274	IC-POSI.FIXED REG.	7805,TO-220,3P,-,PLASTIC,	
⚠ IC805	A4008-0178	1203-000243	IC-POSI.FIXED REG.	7812,TO-220,3P,-,PLASTIC,	
IC901	B4002-0747	AA13-30004J	IC-MCU	-,Z8933212PSC-R1971,16BIT	
IC902		B4000-0135	IC-EEPROM	AT24C04-10PC DIP 8P	
ICK01		B4012-0574	IC-LINEAR	TDA4445B DIP STICK GUASI-	
J260	A1102-0293	2305-000412	C-FILM,MPEF	470NF,5%,63V,-,5MM,TP	
JS701	A3040-0182	3722-000183	JACK-RCA	21P,4MM,-,SN	
L101	32427-904-919	2701-000101	INDUCTOR-AXIAL	1.2UH,10%,2.5X3.4MM	
L102	32427-904-924	2701-000114	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L201	32427-904-922	2701-000197	INDUCTOR-AXIAL	5.6UH,10%,2.5X3.4MM	
L202	31018-177-159	2001-000247	R-CARBON	1.5OHM,5%,1/8W,AA,TP,1.8X	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
L203	32427-805-877	2701-000146	INDUCTOR-AXIAL	2.2UH,10%,2.5X3.4MM	
L204	32427-904-922	2701-000197	INDUCTOR-AXIAL	5.6UH,10%,2.5X3.4MM	
L205	32427-904-924	2701-000114	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L301	32427-904-924	2701-000114	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L302	34047-019-060	3301-000287	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L401	32446-705-050	AA27-30001B	COIL-LINEARITY	-,195UH,QIC1010,PI0.4,4.5	
L402	B1133-0009	AA27-10002Y	COIL-CHOKE	-,100UH,K,10,700MA,T,100U	
L403	32429-833-020	AA27-10002E	COIL-CHOKE	-,6.8MH,K,50,120MA,-,6.8M	
L404		A1247-0054	FILTER-EMI BEAD	HF70ZBF3.5X5X0.8 SB 300HM	
L701		A1132-0091	COIL-PEAKING	4.7UH-K AX AL02TB4R7K Q40	
L702		A1132-0091	COIL-PEAKING	4.7UH-K AX AL02TB4R7K Q40	
L703		A1132-0091	COIL-PEAKING	4.7UH-K AX AL02TB4R7K Q40	
L704		A1247-0054	FILTER-EMI BEAD	HF70ZBF3.5X5X0.8 SB 300HM	
L801	32429-633-090	AA29-30001H	FILTER-LINE	-,39MH,1.0A,-,-	
L802	34047-019-060	3301-000287	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L803	B1160-0067	AA27-90001G	COIL-RESONUBBER	RS207,500UH,CO4X2X6,39UVS	
L805		A1247-0054	FILTER-EMI BEAD	HF70ZBF3.5X5X0.8 SB 300HM	
L806	32427-904-943	2701-000141	INDUCTOR-AXIAL	1MH,5%,2.8X7MM	
L807		A1247-0054	FILTER-EMI BEAD	HF70ZBF3.5X5X0.8 SB 300HM	
L808	34047-019-060	3301-000287	CORE-FERRITE BEAD	AA,3.5X1.0X6.0MM,1500,240	
L809	B1133-0009	AA27-10002Y	COIL-CHOKE	-,100UH,K,10,700MA,T,100U	
L901	32427-904-922	2701-000197	INDUCTOR-AXIAL	5.6UH,10%,2.5X3.4MM	
LD901		3H77-00001-070	ASSY-LED,GUIDE	32309-121-005,DL-G5RGA	
MOD	A1100-0340	2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
NT801		A1334-0019	THERMISTOR	KL11L4R7-3.5A 4.7OHM/25DE	
⚠ P/CORD	A6006-0252	AA39-10002W	POWER-CORD	-,KKJ-1004A,HO3VVH2-F,2.2	
⚠ P801	32189-609-430	1404-000139	THERMISTOR-PTC	14OHM,20%,220V,290V,25A,-	
Q251		32137-401-530	TRANSISTOR	KSA 539-Y(TAPG)/YTAM	
⚠ Q402		32137-301-560	TRANSISTOR	KSC 2331-Y(TAPG)	
Q701		32137-301-720	TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q702		32137-301-720	TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q703		32137-401-530	TRANSISTOR	KSA 539-Y(TAPG)/YTAM	
Q901		32137-301-720	TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q902		32137-301-720	TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q903		32137-301-720	TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
Q907	A4060-0038	0504-000125	TR-DIGITAL	KSR1012,NPN,300MW,47K,TO-	
Q908	A4060-0033	0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q909	A4060-0038	0504-000125	TR-DIGITAL	KSR1012,NPN,300MW,47K,TO-	
R101	31018-177-104	2001-000273	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
R102	31018-177-274	2001-000548	R-CARBON	270KOHM,5%,1/8W,AA,TP,1.8	
R103	31018-177-274	2001-000548	R-CARBON	270KOHM,5%,1/8W,AA,TP,1.8	
R201	31018-177-561	2001-000857	R-CARBON	560OHM,5%,1/8W,AA,TP,1.8X	
R202	31018-177-101	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R203	31018-177-101	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R205	31018-177-152	2001-000241	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
R206	31018-177-152	2001-000241	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
R207	31018-177-395	2001-000617	R-CARBON	3.9MOHM,5%,1/8W,AA,TP,1.8	
R208		31018-177-682	R-CARBON/METAL FILM	RD 1/8T 6.8K-J	
R210	31018-177-123	2001-000331	R-CARBON	12KOHM,5%,1/8W,AA,TP,1.8X	
R211	31018-177-104	2001-000273	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
R212	31018-177-471	2001-000780	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
R213	31018-177-471	2001-000780	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
R214	31018-177-471	2001-000780	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
R215		31018-177-562	R-CARBON/METAL FILM	RD 1/8T 5.6K-J/ERD-S2TJ 5	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
R216		31018-177-562	R-CARBON/METAL FILM	RD 1/8T 5.6K-J/ERD-S2TJ 5	
R217	31018-177-224	2001-000508	R-CARBON	220KOHM,5%,1/8W,AA,TP,1.8	
R218	31018-177-105	2001-000435	R-CARBON	1MOHM,5%,1/8W,AA,TP,1.8X3	
R219	31018-177-221	2001-000515	R-CARBON	220OHM,5%,1/8W,AA,TP,1.8X	
R220		31018-177-562	R-CARBON/METAL FILM	RD 1/8T 5.6K-J/ERD-S2TJ 5	
R221	31018-177-511	2001-000832	R-CARBON	510OHM,5%,1/8W,AA,TP,1.8X	
R222	31018-177-471	2001-000780	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
R223	31018-177-220	2001-000527	R-CARBON	22OHM,5%,1/8W,AA,TP,1.8X3	
R225	31018-177-102	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R226	31018-177-224	2001-000508	R-CARBON	220KOHM,5%,1/8W,AA,TP,1.8	
R227	31018-177-153	2001-000008	R-CARBON	15KOHM,5%,1/8W,AA,TP,1.8X	
R228	31018-177-182	2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R229	31018-177-182	2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R230	31018-177-182	2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R231	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R232		31018-177-684	R-CARBON/METAL FILM	RD 1/8T 680K-J	
R233		31018-377-221	R-CARBON/METAL FILM	RD 1/2T 220-J	
R234		31018-177-754	R-CARBON	RD 1/8T 750K-J	
R235	31018-177-102	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R236	31018-177-100	2001-000302	R-CARBON	10OHM,5%,1/8W,AA,TP,1.8X3	
R238		31018-177-562	R-CARBON/METAL FILM	RD 1/8T 5.6K-J/ERD-S2TJ 5	
R251	31018-177-363	2001-000679	R-CARBON	36KOHM,5%,1/8W,AA,TP,1.8X	
R252	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R253		A1000-0861	R-CARBON	RD 1/8 T 565-J 5.6M	
R302		31018-377-102	R-CARBON/METAL FILM	RD 1/2T 1K-J	
R303		A1006-0980	R-METAL FILM	RM 1/2 T(S) 2R2-F	
R304	A1000-0626	2001-001172	R-CARBON(S)	620OHM,5%,1/2W,AA,TP,2.4X	
R305	31018-177-102	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R306		2003-002010	R-METAL OXIDE(S)	680OHM,5%,1W,AF,TP,3.9X10	
R307	31018-177-153	2001-000008	R-CARBON	15KOHM,5%,1/8W,AA,TP,1.8X	
R309		A1000-0578	R-METAL FILM	RM 1/8 T 913-F	
R310		A1000-0578	R-METAL FILM	RM 1/8 T 913-F	
R311	A1006-0592	2004-000869	R-METAL	3KOHM,1%,1/8W,AA,TP,1.8X3	
R313	A1006-0672	2004-001402	R-METAL(S)	6.8KOHM,1%,1/2W,AA,TP,2.4	
R401	31018-177-471	2001-000780	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
R402	31018-177-102	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R403	31018-377-271	2001-001114	R-CARBON(S)	270OHM,5%,1/2W,AA,TP,2.4X	
⚠ R404	31046-567-100	2003-000471	R-METAL OXIDE(S)	10OHM,5%,2W,AA,TP,4X12MM	
R405	A1004-0404	2003-000540	R-METAL OXIDE(S)	1KOHM,5%,2W,AD,TP,4X12MM	
R406	A1004-0428	2003-000713	R-METAL OXIDE(S)	47OHM,5%,2W,AD,TP,4X12MM	
⚠ R407		31049-375-114	R-METAL,FILM	RM 1/2T 110K-F	
R408		A1000-0785	R-CARBON	RD 1/2 T(S) 430-J 43R	
R409	A1010-0036	2008-000204	R-FUSIBLE(S)	0.22OHM,10%,1/2W,AF,TP,2.	
R410		A1010-0065	R-FUSIBLE	RF 1 RT 010-J	
⚠ R411		31049-375-114	R-METAL,FILM	RM 1/2T 110K-F	
R412		A1004-0437	R-METAL OXIDE	RS 2 RT(S) 270-J 27R	
R413	A1000-0660	2001-001037	R-CARBON(S)	0.39OHM,5%,1/2W,AA,TP,2.4	
R414	31018-377-330	2001-000022	R-CARBON(S)	33OHM,5%,1/2W,AA,TP,2.4X6	
R415	31018-377-561	2001-001163	R-CARBON(S)	560OHM,5%,1/2W,AA,TP,2.4X	
R416	A1004-0428	2003-000713	R-METAL OXIDE(S)	47OHM,5%,2W,AD,TP,4X12MM	
R417		2008-001005	R-FUSIBLE	0.47OHM,10%,1W,AA,TP,4.7X	
R418		A1010-0063	R-FUSIBLE	RF 2 RT 151-J	
⚠ R419		31057-002-040	R-FUSIBLE	RF 1/2T 68-J	
R420		A1000-0785	R-CARBON	RD 1/2 T(S) 430-J 43R	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
⚠ R501H		31028-328-472	R-COMPOSITION	RC 1/2T 4.7K-K/ERC-12GL 4	
⚠ R502H		31028-328-472	R-COMPOSITION	RC 1/2T 4.7K-K/ERC-12GL 4	
⚠ R503		31028-328-472	R-COMPOSITION	RC 1/2T 4.7K-K/ERC-12GL 4	
R504	31018-377-823	2001-001194	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X	
R505	31018-377-823	2001-001194	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X	
R506	31018-377-823	2001-001194	R-CARBON(S)	82KOHM,5%,1/2W,AA,TP,2.4X	
R507	31018-177-132	2001-000232	R-CARBON	1.3KOHM,5%,1/8W,AA,TP,1.8	
R508	31018-377-224	2001-001106	R-CARBON(S)	220KOHM,5%,1/2W,AA,TP,2.4	
R509	31018-177-561	2001-000857	R-CARBON	560OHM,5%,1/8W,AA,TP,1.8X	
R510	31018-177-561	2001-000857	R-CARBON	560OHM,5%,1/8W,AA,TP,1.8X	
R511	31018-177-561	2001-000857	R-CARBON	560OHM,5%,1/8W,AA,TP,1.8X	
R512	31018-177-182	2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R513	31018-177-182	2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R514	31018-177-182	2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R516	31018-377-106	2001-001062	R-CARBON(S)	10MOHM,5%,1/2W,AA,TP,2.4X	
R517		A1010-0065	R-FUSIBLE	RF 1 RT 010-J	
R602	31018-177-122	2001-000221	R-CARBON	1.2KOHM,5%,1/8W,AA,TP,1.8	
R605		31018-177-622	R-CARBON/METAL FILM	RD 1/8T 6.2K-J	
R606	31018-377-100	2001-001064	R-CARBON(S)	10OHM,5%,1/2W,AB,TP,2.4X6	
R607	31018-377-100	2001-001064	R-CARBON(S)	10OHM,5%,1/2W,AB,TP,2.4X6	
R608	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R701	31018-177-101	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R702	31018-177-102	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R703	31018-177-391	2001-000005	R-CARBON	390OHM,5%,1/8W,AA,TP,1.8X	
R704	31018-177-152	2001-000241	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
R705	31018-177-102	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R706	31018-177-512	2001-000800	R-CARBON	5.1KOHM,5%,1/8W,AA,TP,1.8	
R707	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R708	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R801		A1008-0017	R-METAL PLATE	RP 5 T 330-K	
R802		A1004-0405	R-METAL OXIDE	RS 2 RT(S) 100-J 10R	
R803		A1004-0405	R-METAL OXIDE	RS 2 RT(S) 100-J 10R	
⚠ R804		31028-328-475	R-COMPOSITION	RC 1/2T 4.7M-K/ERC-12GK 4	
⚠ R805		31028-328-475	R-COMPOSITION	RC 1/2T 4.7M-K/ERC-12GK 4	
R806	A1004-0414	2003-000784	R-METAL OXIDE(S)	7.5KOHM,5%,2W,AD,TP,4X12M	
R807		A1004-0431	R-METAL OXIDE	RS 2 RT(S) 103-J 10K	
R808	31018-377-432	2001-001143	R-CARBON(S)	4.3KOHM,5%,1/2W,AA,TP,2.4	
R809	A1004-0428	2003-000713	R-METAL OXIDE(S)	47OHM,5%,2W,AD,TP,4X12MM	
R810		A1010-0065	R-FUSIBLE	RF 1 RT 010-J	
R811	31018-377-220	2001-000020	R-CARBON(S)	22OHM,5%,1/2W,AA,TP,2.4X6	
R812		A1010-0082	R-FUSIBLE	RF 2 T 3R3-J	
R813		A1010-0082	R-FUSIBLE	RF 2 T 3R3-J	
R814		A1000-0785	R-CARBON	RD 1/2 T(S) 430-J 43R	
R852	31018-177-100	2001-000302	R-CARBON	10OHM,5%,1/8W,AA,TP,1.8X3	
R901	31018-177-470	2001-000793	R-CARBON	47OHM,5%,1/8W,AA,TP,1.8X3	
R902	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R903	31018-177-101	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R904	31018-177-101	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R905	31018-177-152	2001-000241	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
R906	31018-177-272	2001-000472	R-CARBON	2.7KOHM,5%,1/8W,AA,TP,1.8	
R907		31018-177-821	R-CARBON/METAL FILM	RD 1/8T 820-J	
R908	31018-177-132	2001-000232	R-CARBON	1.3KOHM,5%,1/8W,AA,TP,1.8	
R909	31018-177-362	2001-000605	R-CARBON	3.6KOHM,5%,1/8W,AA,TP,1.8	
R910	31018-177-103	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	

Loc No	OLD Part-No	NEW Part-No	Description	Specification	Remarks
R911		31018-177-563	R-CARBON/METAL FILM	RD 1/8T 56K-J	
R912		31018-177-681	R-CARBON/METAL FILM	RD 1/8T 680-J/ERD-S2TJ 68	
R913		31018-177-681	R-CARBON/METAL FILM	RD 1/8T 680-J/ERD-S2TJ 68	
R914	31018-177-470	2001-000793	R-CARBON	47OHM,5%,1/8W,AA,TP,1.8X3	
R915		31018-177-821	R-CARBON/METAL FILM	RD 1/8T 820-J	
R916	31018-177-331	2001-000003	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R917	31018-177-331	2001-000003	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R918	31018-177-331	2001-000003	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
R920		31018-177-752	R-CARBON/METAL FILM	RD 1/8T 7.5K-J	
R921	31018-377-106	2001-001062	R-CARBON(S)	10MOHM,5%,1/2W,AA,TP,2.4X	
R922	31018-177-101	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R923	31018-177-101	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R924	31018-177-102	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R925	31018-177-182	2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R926	31018-177-103	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R927	31018-177-103	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R928	31018-377-103	2001-000066	R-CARBON(S)	10KOHM,5%,1/2W,AA,TP,2.4X	
R929	31018-177-103	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R930	31018-177-103	2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R931	31018-177-113	2001-000313	R-CARBON	11KOHM,5%,1/8W,AA,TP,1.8X	
R934	31018-177-222	2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R937	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R939	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R940	31018-177-152	2001-000241	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
R941	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R942	31018-177-153	2001-000008	R-CARBON	15KOHM,5%,1/8W,AA,TP,1.8X	
R944	31018-177-273	2001-000563	R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X	
R945	31018-377-106	2001-001062	R-CARBON(S)	10MOHM,5%,1/2W,AA,TP,2.4X	
R948	31018-177-152	2001-000241	R-CARBON	1.5KOHM,5%,1/8W,AA,TP,1.8	
R949	31018-177-272	2001-000472	R-CARBON	2.7KOHM,5%,1/8W,AA,TP,1.8	
R951	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R952	31018-177-101	2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R953	31018-177-104	2001-000273	R-CARBON	100KOHM,5%,1/8W,AA,TP,1.8	
R954	31018-177-223	2001-000522	R-CARBON	22KOHM,5%,1/8W,AA,TP,1.8X	
R955	31018-177-102	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RB01		31018-177-750	R-CARBON/METAL FILM	RD 1/8T 75-J/ERD-S2TJ 750	
⚠ RL901	A1294-0035	AA59-60001U	MODULE-REMOCON	-,ORC-50VF,38KHZ,940NM,ME	
RU01	31018-177-472	2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
RW701		B1018-0051	R-NETWORK	RN 1/8 CB 6P 33K/24K/75RX	
RW702		B1018-0050	R-NETWORK	RN 1/8 CA 5P 75RX3/1K-J T	
⚠ RX801		31028-328-334	R-COMPOSITION	RC 1/2T 330K-K/ERC-12GK 3	
SFK01	34529-700-015	2904-000255	FILTER-SAW AV	38.9MHZ/33.95MHZ,DIP10P,S	
SW801	A3002-0014	3403-000179	SWITCH-PUSH	250V,5A,DPST,-	MASTER
SW901	B3018-0034	3404-000244	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW902	B3018-0034	3404-000244	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW903	B3018-0034	3404-000244	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW904	B3018-0034	3404-000244	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
SW905	B3018-0034	3404-000244	SWITCH-TACT	15V,20MA,90-170GF,7.5X7MM	
⚠ T201	A1190-0012	AA26-10004D	TRANS-IF	-,7MH,VIF,0.65UH,7MM,27PF	
⚠ T401	32846-070-007	AA26-50001B	HORIZ.DRIVE	-,7.1MH,102UH,10-20UH,YLO	
⚠ T444	A1201-0033	AA26-30001Y	TRANS-FRYBACK	-,FSV-20A001,20",125V	LOCAL
⚠ T801	A1206-0090	AA26-20003Y	TRANS-SWITCHING	-,160-280V,-,ER354111,1.2	220V
⚠ TK01	32717-513-800	AA26-10001Z	TRANS-IF	-,7MG,VIF,-,7MM,100PF,38.	
⚠ TU01	B1292-0082	AA40-10003J	TUNER-V/S	-,TELE4-003A,PAL-B/G,-,16	LOCAL

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
⚠ V999		A3047D0010	SOCKET-CRT	ISHS09S,P125.5,HI-FOCUS 9	
VR301		B1054-0252	VR-SEMI	NVZ6TLTA5KB 5KB CERMET T	
VR302		B1054-0252	VR-SEMI	NVZ6TLTA5KB 5KB CERMET T	
X201	B1283-0059	2802-000174	RESONATOR-CERAMIC	513KHZ,2KHZ,BK,7.0X3.5X9.	
X203		A1280-0207	CRYSTAL	4.433619MHZ HC-49/U-S 50P	
X901		B1280-0219	CRYSTAL	32.768KHZ P3 20PPM	
Z201		34527-460-004	FILTER-CERAMIC	TPS5.5MB TF21	
ZB01	34527-460-030	2903-000184	FILTER-CERAMIC	BP,5.5MHZ	
		A1008-0017	R-METAL PLATE	RP 5 T 330-K	
		ASSY-H/S			
*	3H81-00320-000	AA96-50027A	ASSY-H/S	-,SOUND,AA62-30027A,TDA70	
⚠ IC601	31124-0025-000	B4012-0472	IC-LINEAR	TDA7056/N2 SIP POWER AMP	
		ASSY-H/S			
*	3H81-00320-001	AA96-50027B	ASSY-H/S	-,SOUND,AA62-30027A,TDA61	
⚠ IC501	31124-0025-000	B4012-0359	IC-LINEAR	TDA6103Q SIP 9P VIDEO	
		ASSY-H/S			
*	3H82-00520-011	AA96-50062C	ASSY-H/S	-,VERT,AA62-30018A,TA8445	
⚠ IC301	31124-0025-000	32119-110-010	IC	TA8445K	
		ASSY-H/S			
*	3H83-00820-003	AA96-50120C	ASSY-H/S	-,POWER,AA62-30008A,SMR40	220W
⚠ IC801	A4010-0080	AA13-20002P	IC-HYBRID	-,SMR40200,SIP,5P,SMPS CO	
		ASSY-H/S			
*	3H83-00830-001	AA96-50121B	ASSY-H/S	-,POWER,AA62-30030A,TDA81	
⚠ IC802	31124-0031-000	B4008-1162	IC-S/W REGU	TDA8133 SIP 9P	
		ASSY-H/S			
*	3H82-00530D002	AA96-50160C	ASSY-H/S	DP,-,AA96-50063C,KSD5072Y	
⚠ Q401	31124-0031-000	32139-410-020	TRANSISTOR	KSD5072YD	

ASSY-PCB,A/V FRONT

*		AA95-90009T	ASSY-PCB,A/V FRONT	DP,CX5079Z/MVTX,SCT11B,3W	
PCB	36029-0579-000	AA41-10493A	PCB-A/V	P1B,1,FR-1,53X34X1.6T	BARE PCB
CE01	31607-402-250	2401-000480	C-AL	10UF,20%,50V,GP,5X11MM,5M	
CE02		A1100-0990	C-CERAMIC	CK OA X7R 16V T 222-M EP0	
CE03	31607-402-530	2401-001323	C-AL	470NF,20%,50V,BP,6X11MM,5	
CE06		A1100-0989	C-CERAMIC	CC OA SL 50V T 391-J UP05	
CE07	A1100-0798	2202-000121	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
CE08	A1100-0798	2202-000121	C-CERAMIC,MLC-AXIAL	100PF,10%,50V,Y5P,1.9X3.5	
CN702	36434-0050-000	AA39-20098A	LEAD-CONNECTOR,ASSY	-,YBNH025-09,67096-009,9P	
JA702		A3040-0260	JACK-RCA	VEND:골드 리어 P13.6 UZB-0	
JE601	33339-521-070	3722-000143	JACK-PHONE	1P,3.4MM,-,MBAG	
LE01	32427-904-924	2701-000114	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LE05	32427-904-924	2701-000114	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
LE06	32427-904-924	2701-000114	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
QE01		32137-401-530	TRANSISTOR	KSA 539-Y(TAPG)/YTAM	
RE01		31018-377-470	R-CARBON/METAL FILM	RD 1/2T 47-J	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
RE02		31018-377-470	R-CARBON/METAL FILM	RD 1/2T 47-J	
RE03		31018-177-683	R-CARBON/METAL FILM	RD 1/8T 68K-J	
RE04	31018-177-102	2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RE05	31018-177-203	2001-000009	R-CARBON	20KOHM,5%,1/8W,AA,TP,1.8X	
		ASSY-CRT			
⚠			CRT-COLOR		LOCAL
		REMOCON			
*		AA59-10016P	REMOCON	DP,TM38,-,-,AA59-10014T,-	
		ASSY-SPEAKER			
		A1300-0067	SPEAKER-GENERAL	3W 16OHM 110X42 114CR03A	
	33058-121-024	AA39-20048B	LEAD-CONNECTOR,ASSY	-,67096-003,#205/#110,3(2	
		ASSY-ACCESSORY			
	A0120-2000	AA68-40044A	CARD-WARRANTY	-,-,L1850,WHT,EC(12),W105	

7-2 CB5079T/UKV1CX Dissimilar Parts

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
			ASSY-PCB,MAIN(COM)		
			BUYER : SEMUK (U.K)		
			MODEL : CB5079T/UKV1CX		
	*	AA97-10032R	ASSY-PCB,MAIN(COM)	CB5079T/UKVCX,SCT11B,NETH	
C229		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C230		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C406		2201-000599	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4MM,	
C416		2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C417		2305-000355	C-FILM,MPEF	330NF,5%,63V,-,5MM,TP	
C503		2202-000243	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19MM,-	
C504		2202-000243	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19MM,-	
C505		2202-000243	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19MM,-	
C605		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C606		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C706		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C707		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C708		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C810		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C814		2306-000321	C-FILM,MPPF	470NF,5%,250V,-,22.5MM,TP	
C815		2201-000467	C-CERAMIC,DISC	330PF,10%,2KV,Y5P,-,5MM,T	
C817		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C818		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C820		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C823		A1102-0249	C-FILM	CF 922 N 50V T 104-J -40/	
C906		2401-000947	C-AL	22UF,20%,35V,GP,5X11MM,-,	
C907		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C908		2201-000459	C-CERAMIC,DISC	30PF,5%,50V,NPO,5.0X3.0,2	
C909		2301-000192	C-FILM,PEF	1NF,5%,50V,5.3X10MM,5MM,T	
C910		2305-000411	C-FILM,MPEF	470NF,5%,50V,7.3X4.8X5.5M	
C914		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C915		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C916		2301-000107	C-FILM,PEF	1.5NF,5%,100V,6.5X3.0X5.5	
C917		2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C918		2201-000459	C-CERAMIC,DISC	30PF,5%,50V,NPO,5.0X3.0,2	
C920		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C921		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C922		2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
CT01		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CT02		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CT04		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CU02		2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
D902		32167-406-480	DIODE	1N4148 TAPG	
D905		2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
DZ108		32167-401-800	DIODE-ZENER	EQA02-06A/MTZ5.6B(TAPG)	
DZ109		32167-401-800	DIODE-ZENER	EQA02-06A/MTZ5.6B(TAPG)	
IC201		1204-000431	IC-DEF. PROCESSOR	M52309BSP(GRN),DIP,52P,-,	
IC901		AA13-30005A	IC-MCU	-,SAA5290ZP-026,8BIT,SDIL	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
IC902		1103-000156	IC-EEPROM	24C04,512X8BIT,DIP,8P,300	
ICK01		1204-000459	IC-DEMODULATOR	TDA4445B,DIP,16P,-,PLASTI	
L701		AA27-10003X	COIL-CHOKE	-,4.7UH,K,40,190MA,TP,AL0	
L904		2701-000114	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L906		B1247-0051	FILTER-EMI BEAD	BL02RN2-R62T4 DB 1.1UH/1M	
L907		A1247-0054	FILTER-EMI BEAD	HF70ZBF3.5X5X0.8 SB 300HM	
L908		2701-000189	INDUCTOR-AXIAL	470NH,10%,2.5X3.4MM	
LD901		AA96-30001B	ASSY-LED,GUIDE	-,AA61-50055A,DL-G5RGA,-	
MOD		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
P/CORD		AA39-10002W	POWER-CORD	-,KKJ-1004A,HO3VVH2-F,2.2	
P801		1404-000180	THERMISTOR-PTC	14OHM,20%,-,290V,25A,-,-	
Q904		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q905		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q906		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
QT01		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
QT02		32137-301-720	TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
QT03		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
R208		2004-001140	R-METAL	6.8KOHM,5%,1/8W,AA,TP,1.8	
R209		2004-001994	R-METAL	79KOHM,1%,1/8W,AA,TP,1.8X	
R215		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R216		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R218		2004-001284	R-METAL	820KOHM,5%,1/8W,AA,TP,1.8	
R220		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R232		2004-001185	R-METAL	680KOHM,5%,1/8W,AA,TP,1.8	
R234		2004-001993	R-METAL	750KOHM,5%,1/8W,AA,TP,1.8	
R238		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R239		2001-000247	R-CARBON	1.5OHM,5%,1/8W,AA,TP,1.8X	
R303		2004-001391	R-METAL(S)	2.2OHM,1%,1/2W,AA,TP,2.4X	
R306		2003-001039	R-METAL OXIDE(S)	430OHM,5%,1W,AF,TP,3.9X10	
R410		2008-000264	R-FUSIBLE(S)	1OHM,5%,1W,AF,TP,3.9X10MM	
R412		2003-001035	R-METAL OXIDE(S)	27OHM,5%,2W,AF,TP,2.4X6.4	
R418		2008-000262	R-FUSIBLE(S)	150OHM,5%,2W,AF,TP,3.9X10	
R419		2008-000277	R-FUSIBLE	68OHM,5%,1/2W,AA,TP,4.7X1	
R517		2008-000264	R-FUSIBLE(S)	1OHM,5%,1W,AF,TP,3.9X10MM	
R605		2004-001126	R-METAL	6.2KOHM,1%,1/8W,AA,TP,1.8	
R606		2001-000019	R-CARBON(S)	10OHM,5%,1/2W,AA,TP,2.4x6	
R607		2001-000019	R-CARBON(S)	10OHM,5%,1/2W,AA,TP,2.4x6	
R713		2001-000527	R-CARBON	22OHM,5%,1/8W,AA,TP,1.8X3	
R714		2001-000527	R-CARBON	22OHM,5%,1/8W,AA,TP,1.8X3	
R715		2001-000527	R-CARBON	22OHM,5%,1/8W,AA,TP,1.8X3	
R751		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R752		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R756		2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R809		2003-001035	R-METAL OXIDE(S)	27OHM,5%,2W,AF,TP,2.4X6.4	
R810		2008-000264	R-FUSIBLE(S)	1OHM,5%,1W,AF,TP,3.9X10MM	
R812		2008-000271	R-FUSIBLE(S)	3.3OHM,5%,2W,AA,TP,3.9X10	
R813		2008-000271	R-FUSIBLE(S)	3.3OHM,5%,2W,AA,TP,3.9X10	
R852		2001-000019	R-CARBON(S)	10OHM,5%,1/2W,AA,TP,2.4x6	
R906		2001-000066	R-CARBON(S)	10KOHM,5%,1/2W,AA,TP,2.4X	
R907		2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R908		2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R909		2001-000591	R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8	
R911		2004-001104	R-METAL	56KOHM,5%,1/8W,AA,TP,1.8X	
R912		2004-001193	R-METAL	680OHM,5%,1/8W,AA,TP,1.8X	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
R913		2004-001193	R-METAL	680OHM,5%,1/8W,AA,TP,1.8X	
R915		2004-001291	R-METAL	820OHM,5%,1/8W,AA,TP,1.8X	
R919		2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R920		2004-001213	R-METAL	7.5KOHM,5%,1/8W,AA,TP,1.8	
R924		2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R932		2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R932		2001-000405	R-CARBON	180OHM,5%,1/8W,AA,TP,1.8X	
R933		2001-000362	R-CARBON	150OHM,5%,1/8W,AA,TP,1.8X	
R935		2001-000800	R-CARBON	5.1KOHM,5%,1/8W,AA,TP,1.8	
R936		2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R937		2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R942		2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R943		2001-000786	R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X	
R944		2001-000006	R-CARBON	2.4KOHM,5%,1/8W,AA,TP,1.8	
R946		2001-000302	R-CARBON	10OHM,5%,1/8W,AA,TP,1.8X3	
R950		2001-000780	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
R957		2001-000554	R-CARBON	270OHM,5%,1/8W,AA,TP,1.8X	
RB01		2004-001240	R-METAL	75OHM,5%,1/8W,AA,TP,1.8X3	
RT01		2001-000563	R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X	
RT05		2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT07		2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT08		2001-000003	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
RT09		2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
RT10		2001-000252	R-CARBON	1.6KOHM,5%,1/8W,AA,TP,1.8	
RT11		2001-000252	R-CARBON	1.6KOHM,5%,1/8W,AA,TP,1.8	
RT12		2001-000252	R-CARBON	1.6KOHM,5%,1/8W,AA,TP,1.8	
RW902		2011-000860	R-NETWORK	4.7KOHM,5%,1/8W,A,SIP,4P,	
⚠ V999		3704-000539	SOCKET-CRT	29.1PI,1.0~2.3KVD,ISHS09S	
VR301		2103-000492	VR-SEMI	5KOHM,30%,1/10W,TOP	
X901		34537-071-050	CRYSTAL	12MHZ	
		ASSY-H/S			
	*	AA96-50123A	ASSY-H/S	-,POWER,AA62-30029A,FMLG1	
⚠ IC802		0402-000233	DIODE-RECTIFIER	FML-G12S,200V,5A,-	
		ASSY-H/S			
	*	AA96-50125A	ASSY-H/S	-,POWER,AA62-30031A,TDA81	
⚠ D803		1201-000493	IC-AUDIO AMP	7056,SIP,9P,-,SINGLE,40.5	
		ASSY-PCB,A/V FRONT			
	*	AA95-90009T	ASSY-PCB,A/V FRONT	DP,CX5079Z/MVTX,SCT11B,3W	
CE08		2202-000222	C-CERAMIC,MLC-AXIAL	3.3NF,20%,16V,Y5P,-,7.5MM	
LE06		2701-000180	INDUCTOR-AXIAL	33UH,5%,2.5X3.4MM	
RE01		2001-001153	R-CARBON(S)	47OHM,5%,1/2W,AA,TP,2.4X6	
RE02		2001-001153	R-CARBON(S)	47OHM,5%,1/2W,AA,TP,2.4X6	
RE03		2004-001201	R-METAL	68KOHM,5%,1/8W,AA,TP,1.8X	
		REMOCON			
	*	AA59-10024B	REMOCON	DP,TM42,-,-,AA59-10023B,-	
		ASSY-CABINET(OPTION)			
CB+CF		6002-000514	SCREW-TAPPING	RH,+,2,M4,L15,ZPC(BLK),SW	
CRT+CF		AA60-10017A	SCREW-ASSY	-,WC,RH,+,M5,L35,SWRCH18A	
SPK+CF		6002-000514	SCREW-TAPPING	RH,+,2,M4,L15,ZPC(BLK),SW	

Memo

7-3 CB5079T/UKV2CX Dissimilar Parts

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
			ASSY-PCB,MAIN(COM)		
			BUYER : SEMUK (U.K)		
			MODEL : CB5079T/UKV2CX		
*		AA97-10032W	ASSY-PCB,MAIN(COM)	CB5079T/UKV2CX,SCT11B,EUR	
C229		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C230		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C406		2201-000599	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4MM,	
C413		2401-001537	C-AL	47UF,20%,25V,GP,6.3X7MM,5	
C416		2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C417		2305-000355	C-FILM,MPEF	330NF,5%,63V,-,5MM,TP	
C503		2202-000243	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19MM,-	
C504		2202-000243	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19MM,-	
C505		2202-000243	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19MM,-	
C605		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C606		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C610		2401-000832	C-AL	220UF,20%,25V,GP,8X11MM,5	
C706		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C707		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C708		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C810		2401-000553	C-AL	1UF,10%,50V,GP,5X11MM,5MM	
C814		2306-000321	C-FILM,MPPF	470NF,5%,250V,-,22.5MM,TP	
C815		2201-000467	C-CERAMIC,DISC	330PF,10%,2KV,Y5P,-,5MM,T	
C817		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C818		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C820		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C823		A1102-0249	C-FILM	CF 922 N 50V T 104-J -40/	
C906		2401-000947	C-AL	22UF,20%,35V,GP,5X11MM,-,	
C907		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C908		2201-000459	C-CERAMIC,DISC	30PF,5%,50V,NPO,5.0X3.0,2	
C909		2301-000192	C-FILM,PEF	1NF,5%,50V,5.3X10MM,5MM,T	
C910		2305-000411	C-FILM,MPEF	470NF,5%,50V,7.3X4.8X5.5M	
C914		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C915		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C916		2301-000107	C-FILM,PEF	1.5NF,5%,100V,6.5X3.0X5.5	
C917		2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C918		2201-000459	C-CERAMIC,DISC	30PF,5%,50V,NPO,5.0X3.0,2	
C920		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C921		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C922		2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
CT01		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CT02		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CT04		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CU02		2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
D902		32167-406-480	DIODE	1N4148 TAPG	
D905		2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
DZ108		32167-401-800	DIODE-ZENER	EQA02-06A/MTZ5.6B(TAPG)	
DZ109		32167-401-800	DIODE-ZENER	EQA02-06A/MTZ5.6B(TAPG)	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
IC201		1204-000431	IC-DEF. PROCESSOR	M52309BSP(GRN),DIP,52P,-,	
IC901		AA13-30004Z	IC-MCU	-,SAA5290ZP-027,8BIT,SDIL	
IC902		1103-000156	IC-EEPROM	24C04,512X8BIT,DIP,8P,300	
ICK01		1204-000459	IC-DEMODULATOR	TDA4445B,DIP,16P,-,PLASTI	
L701		AA27-10003X	COIL-CHOKE	-,4.7UH,K,40,190MA,TP,AL0	
L802		B1247-0051	FILTER-EMI BEAD	BL02RN2-R62T4 DB 1.1UH/1M	
L904		2701-000114	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L906		B1247-0051	FILTER-EMI BEAD	BL02RN2-R62T4 DB 1.1UH/1M	
L907		A1247-0054	FILTER-EMI BEAD	HF70ZBF3.5X5X0.8 SB 300HM	
L908		2701-000189	INDUCTOR-AXIAL	470NH,10%,2.5X3.4MM	
LD901		AA96-30001B	ASSY-LED,GUIDE	-,AA61-50055A,DL-G5RGA,-	
MOD		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
⚠ P/CORD		AA39-10002W	POWER-CORD	-,KKJ-1004A,HO3VVH2-F,2.2	
P801		1404-000180	THERMISTOR-PTC	140HM,20%,-,290V,25A,-,-	
Q904		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q905		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q906		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
QT01		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
QT02		32137-301-720	TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
QT03		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
R103		2001-000660	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X	
R208		2004-001140	R-METAL	6.8KOHM,5%,1/8W,AA,TP,1.8	
R209		2004-001994	R-METAL	79KOHM,1%,1/8W,AA,TP,1.8X	
R215		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R216		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R218		2004-001284	R-METAL	820KOHM,5%,1/8W,AA,TP,1.8	
R220		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R232		2004-001185	R-METAL	680KOHM,5%,1/8W,AA,TP,1.8	
R233		2001-001077	R-CARBON(S)	150OHM,5%,1/2W,AA,TP,2.4X	
R234		2004-001993	R-METAL	750KOHM,5%,1/8W,AA,TP,1.8	
R235		2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R238		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R239		2001-000247	R-CARBON	1.5OHM,5%,1/8W,AA,TP,1.8X	
R303		2004-001391	R-METAL(S)	2.2OHM,1%,1/2W,AA,TP,2.4X	
R306		2003-001039	R-METAL OXIDE(S)	430OHM,5%,1W,AF,TP,3.9X10	
R410		2008-000264	R-FUSIBLE(S)	1OHM,5%,1W,AF,TP,3.9X10MM	
R412		2003-001035	R-METAL OXIDE(S)	27OHM,5%,2W,AF,TP,2.4X6.4	
R418		2008-000262	R-FUSIBLE(S)	150OHM,5%,2W,AF,TP,3.9X10	
R419		2008-000277	R-FUSIBLE	68OHM,5%,1/2W,AA,TP,4.7X1	
R517		2008-000264	R-FUSIBLE(S)	1OHM,5%,1W,AF,TP,3.9X10MM	
R605		2004-001126	R-METAL	6.2KOHM,1%,1/8W,AA,TP,1.8	
R606		2001-000019	R-CARBON(S)	10OHM,5%,1/2W,AA,TP,2.4x6	
R607		2001-000019	R-CARBON(S)	10OHM,5%,1/2W,AA,TP,2.4x6	
R702		2001-000660	R-CARBON	33KOHM,5%,1/8W,AA,TP,1.8X	
R703		2001-000539	R-CARBON	24KOHM,5%,1/8W,AA,TP,1.8X	
R710		2001-000857	R-CARBON	560OHM,5%,1/8W,AA,TP,1.8X	
R711		2001-000857	R-CARBON	560OHM,5%,1/8W,AA,TP,1.8X	
R712		2001-000869	R-CARBON	56OHM,5%,1/8W,AA,TP,1.8X3	
R713		2001-000527	R-CARBON	22OHM,5%,1/8W,AA,TP,1.8X3	
R714		2001-000527	R-CARBON	22OHM,5%,1/8W,AA,TP,1.8X3	
R715		2001-000527	R-CARBON	22OHM,5%,1/8W,AA,TP,1.8X3	
R751		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R752		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R753		2001-000869	R-CARBON	56OHM,5%,1/8W,AA,TP,1.8X3	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
R754		2001-000869	R-CARBON	560HM,5%,1/8W,AA,TP,1.8X3	
R755		2001-000857	R-CARBON	5600HM,5%,1/8W,AA,TP,1.8X	
R756		2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R809		2003-001035	R-METAL OXIDE(S)	270HM,5%,2W,AF,TP,2.4X6.4	
R810		2008-000264	R-FUSIBLE(S)	10HM,5%,1W,AF,TP,3.9X10MM	
R812		2008-000271	R-FUSIBLE(S)	3.30HM,5%,2W,AA,TP,3.9X10	
R813		2008-000271	R-FUSIBLE(S)	3.30HM,5%,2W,AA,TP,3.9X10	
R852		2001-000019	R-CARBON(S)	100HM,5%,1/2W,AA,TP,2.4x6	
R906		2001-000066	R-CARBON(S)	10KOHM,5%,1/2W,AA,TP,2.4X	
R907		2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R908		2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R909		2001-000591	R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8	
R911		2004-001104	R-METAL	56KOHM,5%,1/8W,AA,TP,1.8X	
R912		2004-001193	R-METAL	6800HM,5%,1/8W,AA,TP,1.8X	
R913		2004-001193	R-METAL	6800HM,5%,1/8W,AA,TP,1.8X	
R914		2001-000362	R-CARBON	1500HM,5%,1/8W,AA,TP,1.8X	
R915		2004-001291	R-METAL	8200HM,5%,1/8W,AA,TP,1.8X	
R919		2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R920		2004-001213	R-METAL	7.5KOHM,5%,1/8W,AA,TP,1.8	
R924		2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R932		2001-000281	R-CARBON	1000HM,5%,1/8W,AA,TP,1.8X	
R932		2001-000405	R-CARBON	1800HM,5%,1/8W,AA,TP,1.8X	
R933		2001-000362	R-CARBON	1500HM,5%,1/8W,AA,TP,1.8X	
R935		2001-000800	R-CARBON	5.1KOHM,5%,1/8W,AA,TP,1.8	
R936		2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R937		2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R942		2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R943		2001-000786	R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X	
R944		2001-000006	R-CARBON	2.4KOHM,5%,1/8W,AA,TP,1.8	
R946		2001-000302	R-CARBON	100HM,5%,1/8W,AA,TP,1.8X3	
R950		2001-000780	R-CARBON	4700HM,5%,1/8W,AA,TP,1.8X	
R957		2001-000554	R-CARBON	2700HM,5%,1/8W,AA,TP,1.8X	
RB01		2004-001240	R-METAL	750HM,5%,1/8W,AA,TP,1.8X3	
RT01		2001-000563	R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X	
RT05		2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT07		2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT08		2001-000003	R-CARBON	3300HM,5%,1/8W,AA,TP,1.8X	
RT09		2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
RT10		2001-000252	R-CARBON	1.6KOHM,5%,1/8W,AA,TP,1.8	
RT11		2001-000252	R-CARBON	1.6KOHM,5%,1/8W,AA,TP,1.8	
RT12		2001-000252	R-CARBON	1.6KOHM,5%,1/8W,AA,TP,1.8	
RW902		2011-000860	R-NETWORK	4.7KOHM,5%,1/8W,A,SIP,4P,	
⚠ V999		3704-000539	SOCKET-CRT	29.1PI,1.0~2.3KVD,ISHS09S	
VR301		2103-000492	VR-SEMI	5KOHM,30%,1/10W,TOP	
X901		34537-071-050	CRYSTAL	12MHZ	
		ASSY-H/S			
*		AA96-50123A	ASSY-H/S	-,POWER,AA62-30029A,FMLG1	
⚠ D803		1201-000493	IC-AUDIO AMP	7056,SIP,9P,-,SINGLE,40.5	
		ASSY-H/S			
*		AA96-50125A	ASSY-H/S	-,POWER,AA62-30031A,TDA81	
⚠ IC802		0402-000233	DIODE-RECTIFIER	FML-G12S,200V,5A,-	

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
			ASSY-PCB,A/V FRONT		
*		AA95-90009T	ASSY-PCB,A/V FRONT	DP,CX5079Z/MVTX,SCT11B,3W	
RE01		2001-001153	R-CARBON(S)	47OHM,5%,1/2W,AA,TP,2.4X6	
RE02		2001-001153	R-CARBON(S)	47OHM,5%,1/2W,AA,TP,2.4X6	
RE03		2004-001201	R-METAL	68KOHM,5%,1/8W,AA,TP,1.8X	
CE08		2202-000222	C-CERAMIC,MLC-AXIAL	3.3NF,20%,16V,Y5P,-,7.5MM	
LE06		2701-000180	INDUCTOR-AXIAL	33UH,5%,2.5X3.4MM	
			REMOCON		
*		AA59-10024B	REMOCON	DP,TM42,-,-,AA59-10023B,-	

7-4 CB5379T/UKV2CX Dissimilar Parts

Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
			ASSY-PCB,MAIN(COM)		
			BUYER : SEMUK (U.K)		
			MODEL : CB5379T/UKV2CX		
*		AA97-10033L	ASSY-PCB,MAIN(COM)	CB5379T/UKV2CX,SCT11B,ITA	
C229		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C230		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C402		2306-000266	C-FILM,MPPF	8.2NF,3%,1.6KV,-,20MM,	
C403		31417-901-400	C-CERAMIC,HIC	CK45(T) B2KV 561-K	
C406		2201-000599	C-CERAMIC,DISC	560PF,10%,500V,Y5P,6X4MM,	
C416		2306-000122	C-FILM,MPPF	100NF,5%,50V,7.3X4.0X5.0M	
C417		2305-000355	C-FILM,MPEF	330NF,5%,63V,-,5MM,TP	
C503		2202-000243	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19MM,-	
C504		2202-000243	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19MM,-	
C505		2202-000243	C-CERAMIC,MLC-AXIAL	33PF,5%,50V,SL,3.5X19MM,-	
C605		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C606		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C706		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C707		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C708		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C801		A1104-0684	C-ELEC	CE 04 -25/85 400V 221-M W	
C810		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C814		2306-000321	C-FILM,MPPF	470NF,5%,250V,-,22.5MM,TP	
C815F		2201-000467	C-CERAMIC,DISC	330PF,10%,2KV,Y5P,-,5MM,T	
C817		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C818		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C820		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C823		A1102-0249	C-FILM	CF 922 N 50V T 104-J -40/	
C906		2401-000947	C-AL	22UF,20%,35V,GP,5X11MM,-,	
C907		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C908		2201-000459	C-CERAMIC,DISC	30PF,5%,50V,NPO,5.0X3.0,2	
C909		2301-000192	C-FILM,PEF	1NF,5%,50V,5.3X10MM,5MM,T	
C910		2305-000411	C-FILM,MPEF	470NF,5%,50V,7.3X4.8X5.5M	
C914		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C915		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
C916		2301-000107	C-FILM,PEF	1.5NF,5%,100V,6.5X3.0X5.5	
C917		2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
C918		2201-000459	C-CERAMIC,DISC	30PF,5%,50V,NPO,5.0X3.0,2	
C920		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C921		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
C922		2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
CN802		AA27-20002R	COIL-DEGAUSSING	DP,21",14.5OHM,35T,L2500,	
CT01		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CT02		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CT04		2202-000109	C-CERAMIC,MLC-AXIAL	100NF,+80-20%,50V,Y5P,1.9	
CU02		2401-001495	C-AL	47UF,20%,16V,GP,5X11MM,5M	
D/COIL		AA27-20001Z	COIL-DEGAUSSING	-,21",14.5OHM,35T,L2500,E	
D902		32167-406-480	DIODE	1N4148 TAPG	

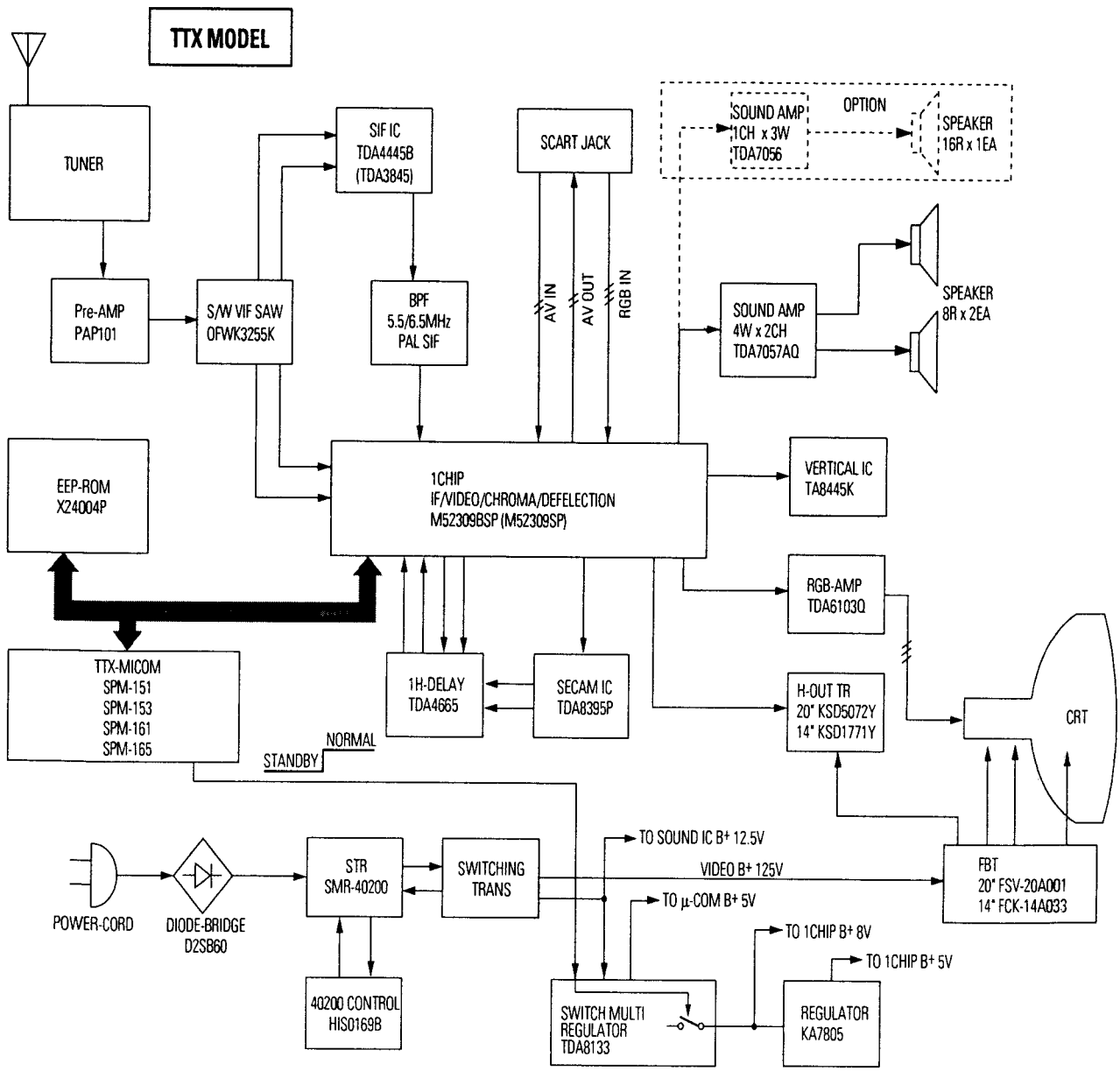
Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
D905		2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
DZ108		32167-401-800	DIODE-ZENER	EQA02-06A/MTZ5.6B(TAPG)	
DZ109		32167-401-800	DIODE-ZENER	EQA02-06A/MTZ5.6B(TAPG)	
IC201		1204-000431	IC-DEF. PROCESSOR	M52309BSP(GRN),DIP,52P,-,	
IC901		AA13-30004Z	IC-MCU	-,SAA5290ZP-027,8BIT,SDIL	
IC902		1103-000156	IC-EEPROM	24C04,512X8BIT,DIP,8P,300	
ICK01		1204-000459	IC-DEMODULATOR	TDA4445B,DIP,16P,-,PLASTI	
L701		AA27-10003X	COIL-CHOKE	-,4.7UH,K,40,190MA,TP,ALO	
L904		2701-000114	INDUCTOR-AXIAL	10UH,10%,2.5X3.4MM	
L906		B1247-0051	FILTER-EMI BEAD	BL02RN2-R62T4 DB 1.1UH/1M	
L907		A1247-0054	FILTER-EMI BEAD	HF70ZBF3.5X5X0.8 SB 30OHM	
L908		2701-000189	INDUCTOR-AXIAL	470NH,10%,2.5X3.4MM	
LD901		AA96-30001B	ASSY-LED,GUIDE	-,AA61-50055A,DL-G5RGA,-	
MOD		A1102-0298	C-FILM	CF 922 N 63V T 104-J -40/	
P/CORD		AA39-10002W	POWER-CORD	-,KKJ-1004A,HO3VVH2-F,2.2	
P801		1404-000180	THERMISTOR-PTC	14OHM,20%,-,290V,25A,-,-	
Q904		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q905		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
Q906		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
QT01		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
QT02		32137-301-720	TRANSISTOR	KSC 815-Y(TAPG)/YTAM	
QT03		0504-000123	TR-DIGITAL	KSR1010,NPN,300MW,10K,TO-	
R208		2004-001140	R-METAL	6.8KOHM,5%,1/8W,AA,TP,1.8	
R209		2004-001994	R-METAL	79KOHM,1%,1/8W,AA,TP,1.8X	
R215		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R216		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R218		2004-001284	R-METAL	820KOHM,5%,1/8W,AA,TP,1.8	
R220		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R232		2004-001185	R-METAL	680KOHM,5%,1/8W,AA,TP,1.8	
R234		2004-001993	R-METAL	750KOHM,5%,1/8W,AA,TP,1.8	
R238		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R239		2001-000247	R-CARBON	1.5OHM,5%,1/8W,AA,TP,1.8X	
R303		2004-001391	R-METAL(S)	2.2OHM,1%,1/2W,AA,TP,2.4X	
R306		2003-001039	R-METAL OXIDE(S)	43OOHM,5%,1W,AF,TP,3.9X10	
R309		2004-001199	R-METAL	68KOHM,1%,1/8W,AA,TP,1.8X	
R410		2008-000264	R-FUSIBLE(S)	1OHM,5%,1W,AF,TP,3.9X10MM	
R412		2003-001035	R-METAL OXIDE(S)	27OHM,5%,2W,AF,TP,2.4X6.4	
R417		2008-000271	R-FUSIBLE(S)	3.3OHM,5%,2W,AA,TP,3.9X10	
R418		2008-000262	R-FUSIBLE(S)	15OOHM,5%,2W,AF,TP,3.9X10	
R419		2008-000277	R-FUSIBLE	68OHM,5%,1/2W,AA,TP,4.7X1	
R517		2008-000253	R-FUSIBLE(S)	0.47OHM,5%,1W,AF,TP,3.9X1	
R605		2004-001126	R-METAL	6.2KOHM,1%,1/8W,AA,TP,1.8	
R606		2001-000019	R-CARBON(S)	10OHM,5%,1/2W,AA,TP,2.4x6	
R607		2001-000019	R-CARBON(S)	10OHM,5%,1/2W,AA,TP,2.4x6	
R713		2001-000527	R-CARBON	22OHM,5%,1/8W,AA,TP,1.8X3	
R714		2001-000527	R-CARBON	22OHM,5%,1/8W,AA,TP,1.8X3	
R715		2001-000527	R-CARBON	22OHM,5%,1/8W,AA,TP,1.8X3	
R751		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R752		2004-001027	R-METAL	5.6KOHM,5%,1/8W,AA,TP,1.8	
R756		2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R809		2003-001035	R-METAL OXIDE(S)	27OHM,5%,2W,AF,TP,2.4X6.4	
R810		2008-000264	R-FUSIBLE(S)	1OHM,5%,1W,AF,TP,3.9X10MM	
R812		2008-000271	R-FUSIBLE(S)	3.3OHM,5%,2W,AA,TP,3.9X10	
R813		2008-000271	R-FUSIBLE(S)	3.3OHM,5%,2W,AA,TP,3.9X10	

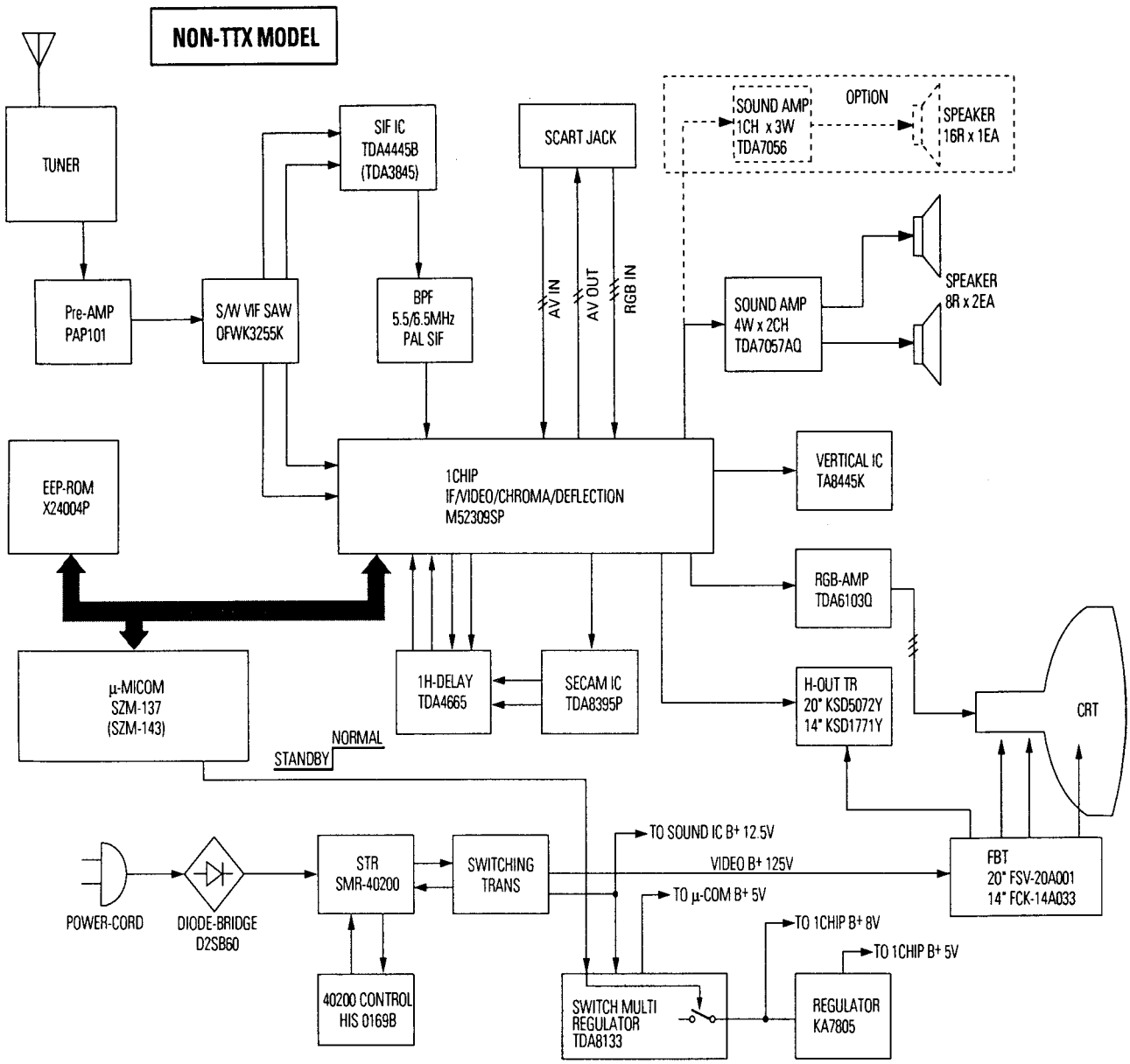
Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
R852		2001-000019	R-CARBON(S)	10OHM,5%,1/2W,AA,TP,2.4x6	
R906		2001-000066	R-CARBON(S)	10KOHM,5%,1/2W,AA,TP,2.4X	
R907		2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R908		2001-000449	R-CARBON	2.2KOHM,5%,1/8W,AA,TP,1.8	
R909		2001-000591	R-CARBON	3.3KOHM,5%,1/8W,AA,TP,1.8	
R911		2004-001104	R-METAL	56KOHM,5%,1/8W,AA,TP,1.8X	
R912		2004-001193	R-METAL	680OHM,5%,1/8W,AA,TP,1.8X	
R913		2004-001193	R-METAL	680OHM,5%,1/8W,AA,TP,1.8X	
R915		2004-001291	R-METAL	820OHM,5%,1/8W,AA,TP,1.8X	
R919		2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R920		2004-001213	R-METAL	7.5KOHM,5%,1/8W,AA,TP,1.8	
R924		2001-000258	R-CARBON	1.8KOHM,5%,1/8W,AA,TP,1.8	
R932		2001-000281	R-CARBON	100OHM,5%,1/8W,AA,TP,1.8X	
R932		2001-000405	R-CARBON	180OHM,5%,1/8W,AA,TP,1.8X	
R933		2001-000362	R-CARBON	150OHM,5%,1/8W,AA,TP,1.8X	
R935		2001-000800	R-CARBON	5.1KOHM,5%,1/8W,AA,TP,1.8	
R936		2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R937		2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
R942		2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
R943		2001-000786	R-CARBON	47KOHM,5%,1/8W,AA,TP,1.8X	
R944		2001-000006	R-CARBON	2.4KOHM,5%,1/8W,AA,TP,1.8	
R946		2001-000302	R-CARBON	10OHM,5%,1/8W,AA,TP,1.8X3	
R947		2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
R950		2001-000780	R-CARBON	470OHM,5%,1/8W,AA,TP,1.8X	
R957		2001-000554	R-CARBON	270OHM,5%,1/8W,AA,TP,1.8X	
RB01		2004-001240	R-METAL	75OHM,5%,1/8W,AA,TP,1.8X3	
RT01		2001-000563	R-CARBON	27KOHM,5%,1/8W,AA,TP,1.8X	
RT05		2001-000290	R-CARBON	10KOHM,5%,1/8W,AA,TP,1.8X	
RT07		2001-000429	R-CARBON	1KOHM,5%,1/8W,AA,TP,1.8X3	
RT08		2001-000003	R-CARBON	330OHM,5%,1/8W,AA,TP,1.8X	
RT09		2001-000734	R-CARBON	4.7KOHM,5%,1/8W,AA,TP,1.8	
RT10		2001-000252	R-CARBON	1.6KOHM,5%,1/8W,AA,TP,1.8	
RT11		2001-000252	R-CARBON	1.6KOHM,5%,1/8W,AA,TP,1.8	
RT12		2001-000252	R-CARBON	1.6KOHM,5%,1/8W,AA,TP,1.8	
RW902		2011-000860	R-NETWORK	4.7KOHM,5%,1/8W,A,SIP,4P,	
⚠ V999		3704-000539	SOCKET-CRT	29.1PI,1.0~2.3KVD,ISHS09S	
VR301		2103-000492	VR-SEMI	5KOHM,30%,1/10W,TOP	
X901		34537-071-050	CRYSTAL	12MHZ	
		ASSY-H/S			
	*	AA96-50123A	ASSY-H/S	-,POWER,AA62-30029A,FMLG1	
⚠ D803		1201-000493	IC-AUDIO AMP	7056,SIP,9P,-,SINGLE,40.5	
		ASSY-H/S			
	*	AA96-50125A	ASSY-H/S	-,POWER,AA62-30031A,TDA81	
⚠ IC802		0402-000233	DIODE-RECTIFIER	FML-G12S,200V,5A,-	
		ASSY-CRT			
⚠			CRT-COLOR		LOCAL

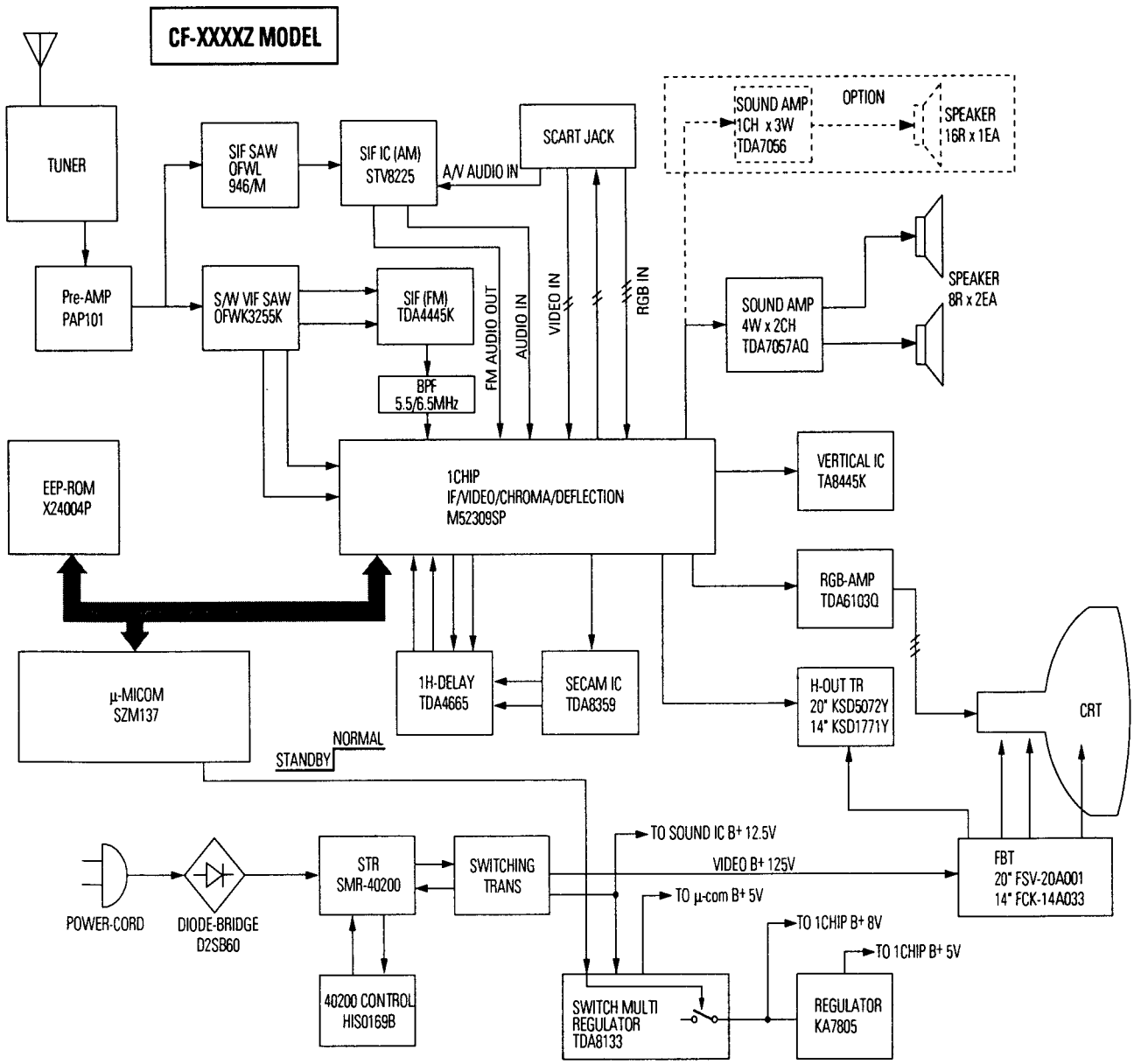
Loc No.	OLD Part-No	NEW Part-No	Description	Specification	Remarks
		REMOCON			
	*	AA59-10024B	REMOCON	DP,TM42,-,-,AA59-10023B,-	
		ASSY-PCB,A/V FRONT			
	*	AA95-90009T	ASSY-PCB,A/V FRONT	DP,CX5079Z/MVTX,SCT11B,3W	
RE01		2001-001153	R-CARBON(S)	47OHM,5%,1/2W,AA,TP,2.4X6	
RE02		2001-001153	R-CARBON(S)	47OHM,5%,1/2W,AA,TP,2.4X6	
RE03		2004-001201	R-METAL	68KOHM,5%,1/8W,AA,TP,1.8X	
CE08		2202-000222	C-CERAMIC,MLC-AXIAL	3.3NF,20%,16V,Y5P,-,7.5MM	
LE06		2701-000180	INDUCTOR-AXIAL	33UH,5%,2.5X3.4MM	
		ASSY-DEFLECTION			
	*	AA96-90001C	ASSY-DEFLECTION	DP,CB5373,SCT11B,PAL,21",	
PCB		AA41-10475A	PCB-DEFLECTION	P1,1L,CEM-1,60X30X1.6T,-,	BARE PCB
C404		2306-000194	C-FILM,MPPF	360NF,5%,400V,-,22.5MM,	
EY20		AA39-20065D	LEAD-CONNECTOR,ASSY	-,YFH800-02,-,2P,150,1617	
LW01		AA27-40001N	COIL-HORIZ.WIDTH	-,90/260UH,SB-5S620,P10.8	
		ASSY-CABINET(OPTION)			
		AA92-30163D	ASSY-CABINET,FRONT	CB5379T/UKV2CX	LOCAL
CB+CF		6002-000514	SCREW-TAPPING	RH,+,2,M4,L15,ZPC(BLK),SW	
CRT+CF		AA60-10017A	SCREW-ASSY	-,WC,RH,+,M5,L35,SWRCH18A	
SPK+CF		6002-000514	SCREW-TAPPING	RH,+,2,M4,L15,ZPC(BLK),SW	

8. Block Diagram

8-1 TTX MODEL



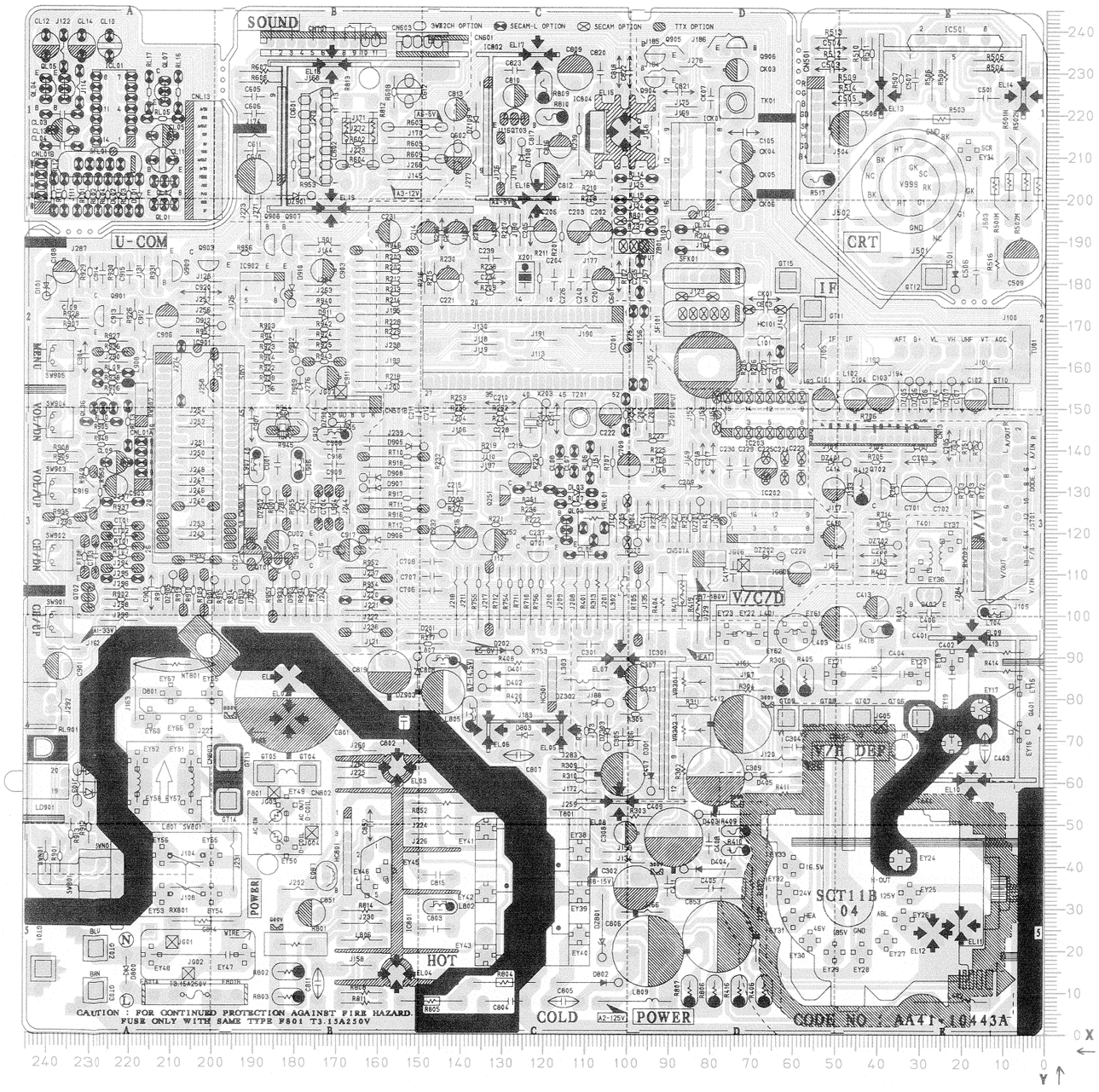

NON-TTX MODEL
TUNER
SIF IC
TDA4445B
(TDA3845)
SCART JACK
SOUND AMP
1CH x 3W
TDA7056
OPTION
SPEAKER
16R x 1EA
Pre-AMP
PAP101
S/W VIF SAW
OFWK3255K
BPF
5.5/6.5MHz
PAL SIF
AV IN
AV OUT
RGB IN
SOUND AMP
4W x 2CH
TDA7057AQ
SPEAKER
8R x 2EA
EEP-ROM
X24004P
1CHIP
IF/VIDEO/CHROMA/DEFLECTION
M52309SP
VERTICAL IC
TA8445K
RGB-AMP
TDA6103Q
µ-MICOM
SZM-137
(SZM-143)
1H-DELAY
TDA4665
SECAM IC
TDA8395P
H-OUT TR
20" KSD5072Y
14" KSD1771Y
CRT
NORMAL
STANDBY
TO SOUND IC B+ 12.5V
VIDEO B+ 125V
TO µ-COM B+ 5V
TO 1CHIP B+ 8V
TO 1CHIP B+ 5V
POWER-CORD
DIODE-BRIDGE
D2SB60
STR
SMR-40200
SWITCHING
TRANS
FBT
20" FSV-20A001
14" FCK-14A033
40200 CONTROL
HIS 0169B
SWITCH MULTI
REGULATOR
TDA8133
REGULATOR
KA7805


CF-XXXXZ MODEL
TUNER
SIF SAW
OFWL
946/M
SIF IC (AM)
STV8225
A/V AUDIO IN
SCART JACK
SOUND AMP
1CH x 3W
TDA7056
OPTION
SPEAKER
16R x 1EA
Pre-AMP
PAP101
S/W VIF SAW
OFWK3255K
SIF (FM)
TDA4445K
FM AUDIO OUT
AUDIO IN
VIDEO IN
RGB IN
SOUND AMP
4W x 2CH
TDA7057AQ
SPEAKER
8R x 2EA
BPF
5.5/6.5MHz
EEP-ROM
X24004P
1CHIP
IF/VIDEO/CHROMA/DEFLECTION
M52309SP
VERTICAL IC
TA8445K
RGB-AMP
TDA6103Q
µ-MICOM
SZM137
1H-DELAY
TDA4665
SECAM IC
TDA8359
H-OUT TR
20" KSD5072Y
14" KSD1771Y
CRT
NORMAL
STANDBY
TO SOUND IC B+ 12.5V
VIDEO B+ 125V
TO µ-com B+ 5V
TO 1CHIP B+ 8V
TO 1CHIP B+ 5V
POWER-CORD
DIODE-BRIDGE
D2SB60
STR
SMR-40200
SWITCHING
TRANS
FBT
20" FSV-20A001
14" FCK-14A033
40200 CONTROL
HIS0169B
SWITCH MULTI
REGULATOR
TDA8133
REGULATOR
KA7805

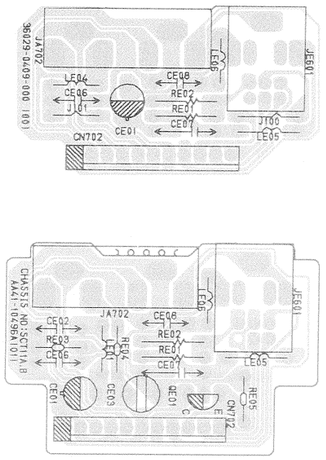
Memo

9. PCB Layout Diagram

9-1 PCB-Main

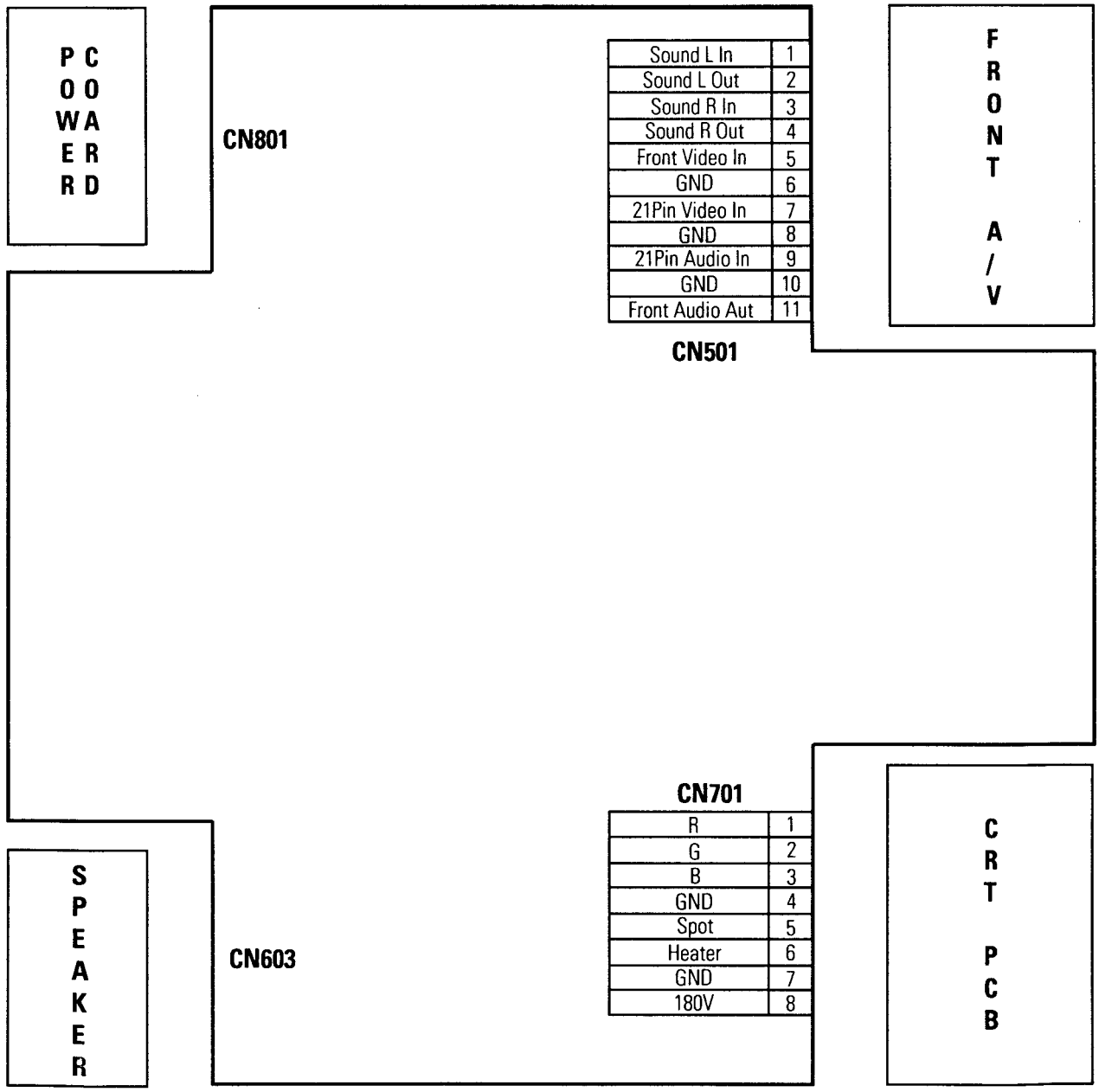


PCB-A/V Front



LOC' NO	X	Y	LOC' NO	X	Y
DIODE			*TRANSISTOR*		
D101	239	176	Q251	130	126
D201	144	95	Q401	17	94
D202	126	91	Q402	30	105
D203	144	126	Q701	123	115
D204	119	151	Q702	39	128
D301	94	58	Q901	226	174
D401	134	85	Q902	177	113
D402	134	82	Q903	203	184
D403	82	52	Q904	96	228
D404	86	39	Q905	96	234
D405	70	61	Q906	71	235
D501	22	178	Q907	180	191
D800	220	19	Q908	185	191
D801	214	75	Q909	209	179
D802	101	12	QL01	209	198
D803	126	71	QL02	214	203
D901	199	108	QL03	114	123
D902	179	161	QL04	240	222
D903	179	109	QL05	235	222
D904	97	117	QL06	223	149
D905	149	140	QL07	211	227
D906	163	118	QT01	186	113
D907	163	130	QT02	229	101
D908	163	133	QT03	125	218
D909	178	158	*I C*		
D910	180	174	HC101	60	159
D911	169	171	HC301	117	78
D912	197	169	HC801	167	52
D913	191	108	IC201	103	156
DL01	217	196	IC202	74	127
DL02	222	196	IC203	76	152
DL03	108	129	IC301	101	89
DL04	87	192	IC501	39	224
DZ105	32	156	IC601	183	204
DZ106	30	156	IC602	171	197
DZ107	22	156	IC801	155	14
DZ108	125	213	IC802	122	199
DZ109	136	214	IC804	101	215
DZ201	82	127	IC805	70	108
DZ202	63	114	IC901	195	161
DZ302	104	79	IC902	184	172
DZ303	104	68	ICK01	89	198
DZ401	47	137	ICL01	228	213
DZ702	35	117			
DZ801	105	18			
DZ901	176	200			
DZ902	186	129			
DZ903	150	90			
DZ904	171	146			
DZ905	209	109			

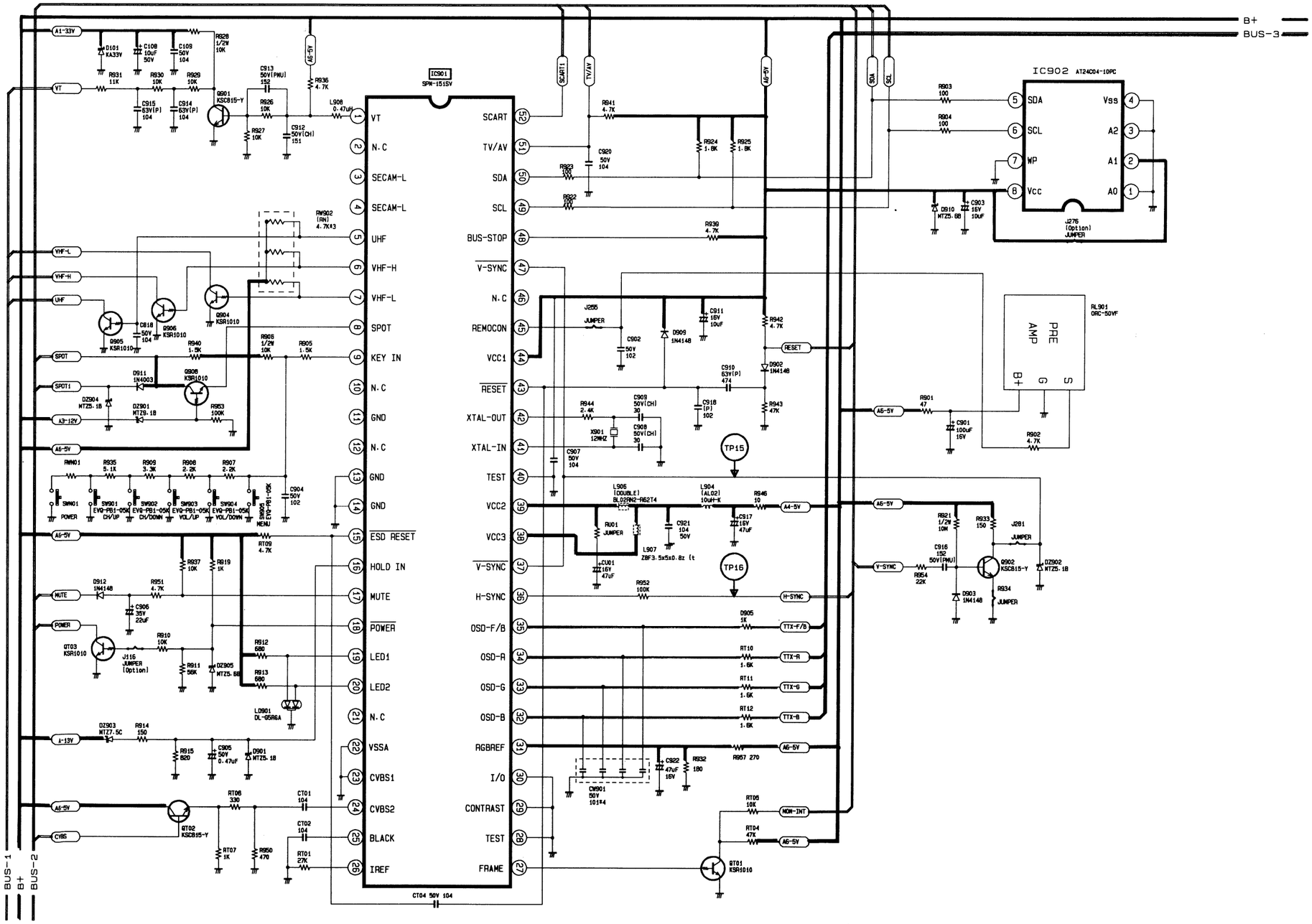
10. Wiring Diagram

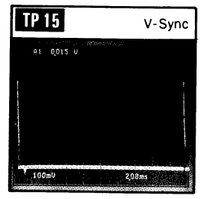


Memo

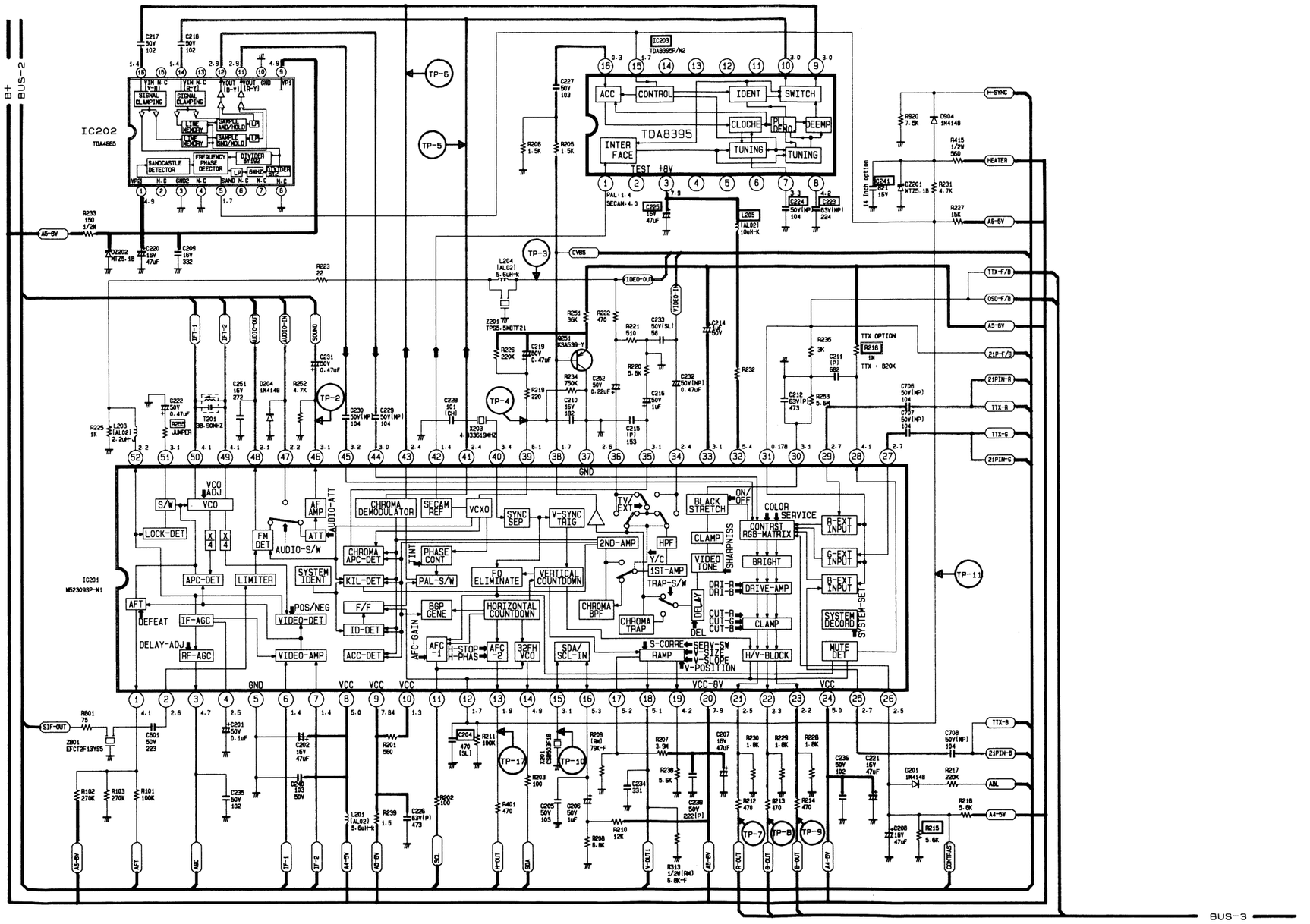
11. Schematic Diagrams

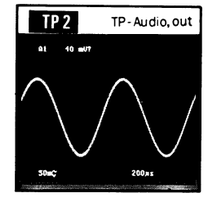
11-1 TTX MICOM

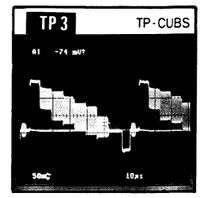


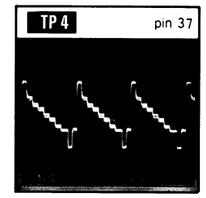


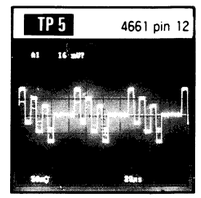
: Power Line Signal Line

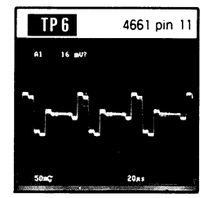

B+
BUS-2
IC202
TDA4555
IC203
TDA8395P/N2
TDA8395
ACC
CONTROL
IDENT
SWITCH
CLOCHE
PLL DEMO
DEEMP
INTER FACE
TUNING
TEST +8V
IC201
M52309SP-M1
CHROMA DEMODULATOR
SECAM REF
VCXO
SYNC SEP
V-SYNC TRIG
PHASE CONT
CHROMA APC-DET
KIL-DET
PAL-S/W
FO ELIMINATE
VERTICAL COUNTDOWN
HORIZONTAL COUNTDOWN
CHROMA BPF
CHROMA TRAP
2ND-AMP
1ST-AMP
TRAP-S/W
Y/C
HPF
BLACK STRETCH
CLAMP
VIDEO TONE
SHARPNESS
BRIGHT
DRIVE-AMP
CUT-OFF
CONTRAST RGB-MATRIX
COLOR SERVICE
R-EXT INPUT
G-EXT INPUT
B-EXT INPUT
SYSTEM DECORD
MUTE DET
H/V-BLOCK
SERV-SW
V-SIZE
V-SLOPE
V-POSITION
S-CORRE
RAMP
SYSTEM-SET
AUDIO-ATT
AUDIO-S/W
AF AMP
FM DET
ATT
S/W
VCO
VCO ADJ
LOCK-DET
APC-DET
LIMITER
SYSTEM IDENT
AFT
DEFEAT
IF-AGC
DELAY-ADJ
RF-AGC
POS/NEG VIDEO-DET
VIDEO-AMP
F/F
ID-DET
ACC-DET
AFC-GAIN
AFC -1
AFC -2
32FH VCO
SDA/ SCL-IN
STOB
H-PHAS
BGP GENE
TV/ EXT
ON/ OFF
TP-1
TP-2
TP-3
TP-4
TP-5
TP-6
TP-7
TP-8
TP-9
TP-10
TP-11
TP-17
H-SYNC
HEATER
A5-8V
CVBS
TTX-F/B
OSD-F/B
21P-F/B
21PIN-R
TTX-R
TTX-G
21PIN-G
TTX-B
21PIN-B
ABL
A4-5V
CONTRAST
SIF-OUT
GND
VCC
VCC-8V
BUS-3
TTX OPTION
14 Inch option
: Power Line

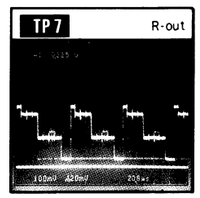

TP 2
TP-Audio, out

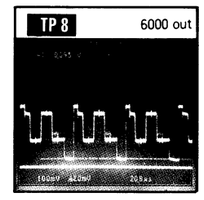

TP 3
TP-CUBS

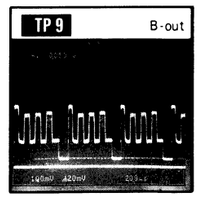

TP 4
pin 37

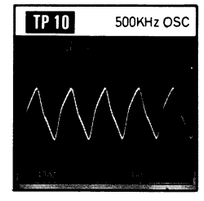

TP 5
4661 pin 12

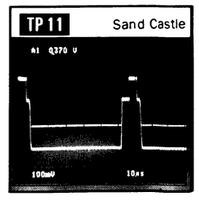

TP 6
4661 pin 11

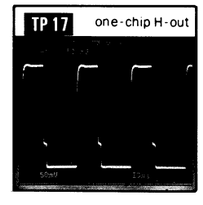

TP 7
R-out

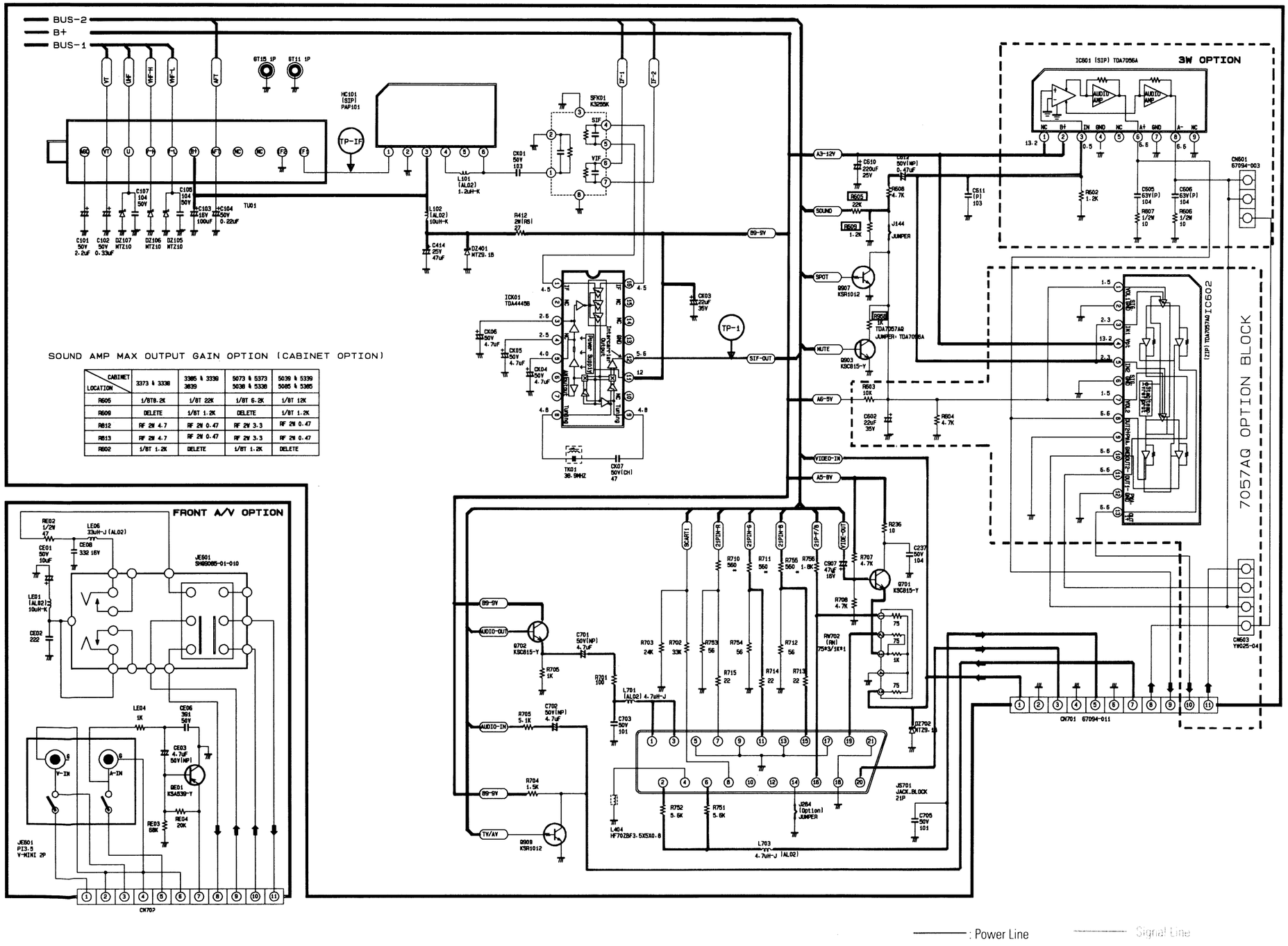

TP 8
6000 out


TP 9
B-out


TP 10
500KHz OSC

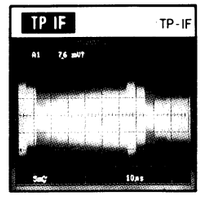

TP 11
Sand Castle

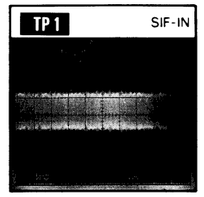

TP 17
one-chip H-out

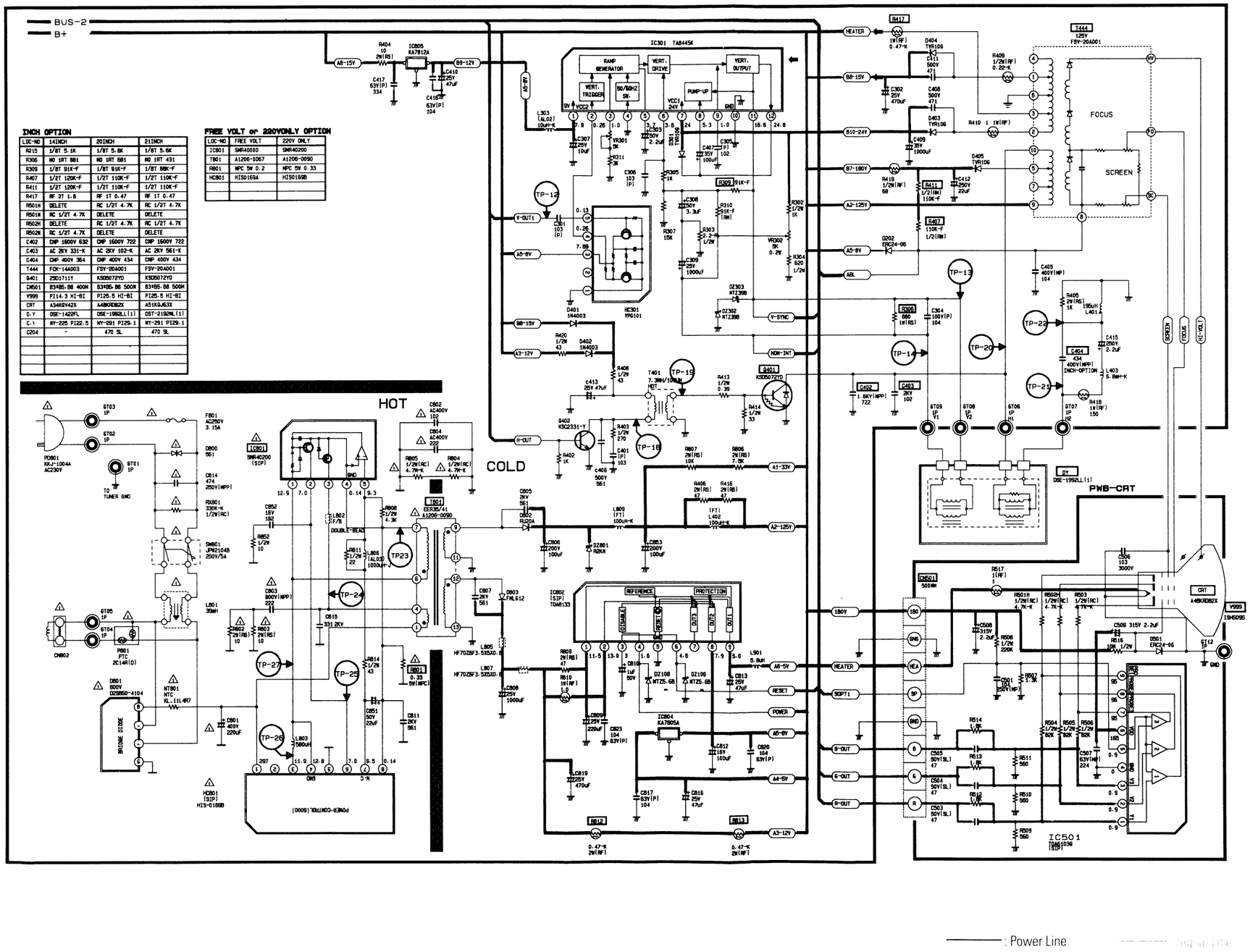


SOUND AMP MAX OUTPUT GAIN OPTION (CABINET OPTION)

LOCATION \ CABINET	3373 & 3338	3385 & 3339 3839	5073 & 5373 5038 & 5338	5039 & 5339 5085 & 5365
R605	1/8T8.2K	1/8T 22K	1/8T 6.2K	1/8T 12K
R609	DELETE	1/8T 1.2K	DELETE	1/8T 1.2K
RB12	RF 2W 4.7	RF 2W 0.47	RF 2W 3.3	RF 2W 0.47
RB13	RF 2W 4.7	RF 2W 0.47	RF 2W 3.3	RF 2W 0.47
R602	1/8T 1.2K	DELETE	1/8T 1.2K	DELETE

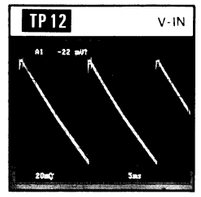




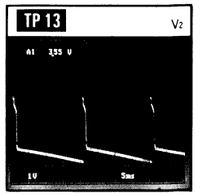


: Power Line

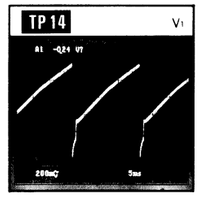
TP 12 V-IN



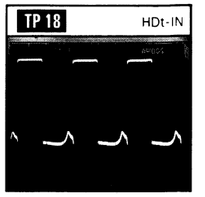
TP 13 V_2



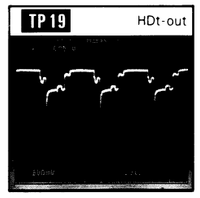
TP 14 V_1



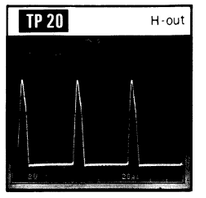
TP 18 HDt-IN



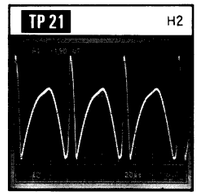
TP 19 HDt-out



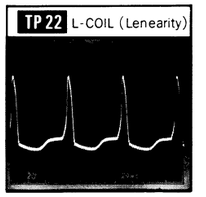
TP 20 H-out



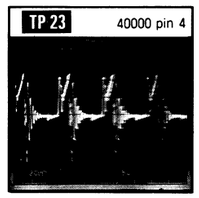
TP 21 H2



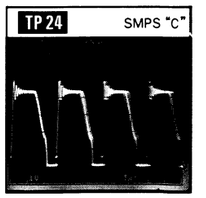
TP 22 L-COIL (Lenearity)



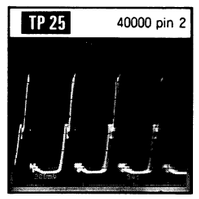
TP 23 40000 pin 4



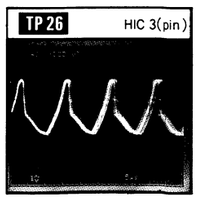
TP 24 SMPS "C"



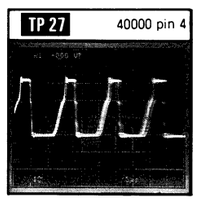
TP 25 40000 pin 2

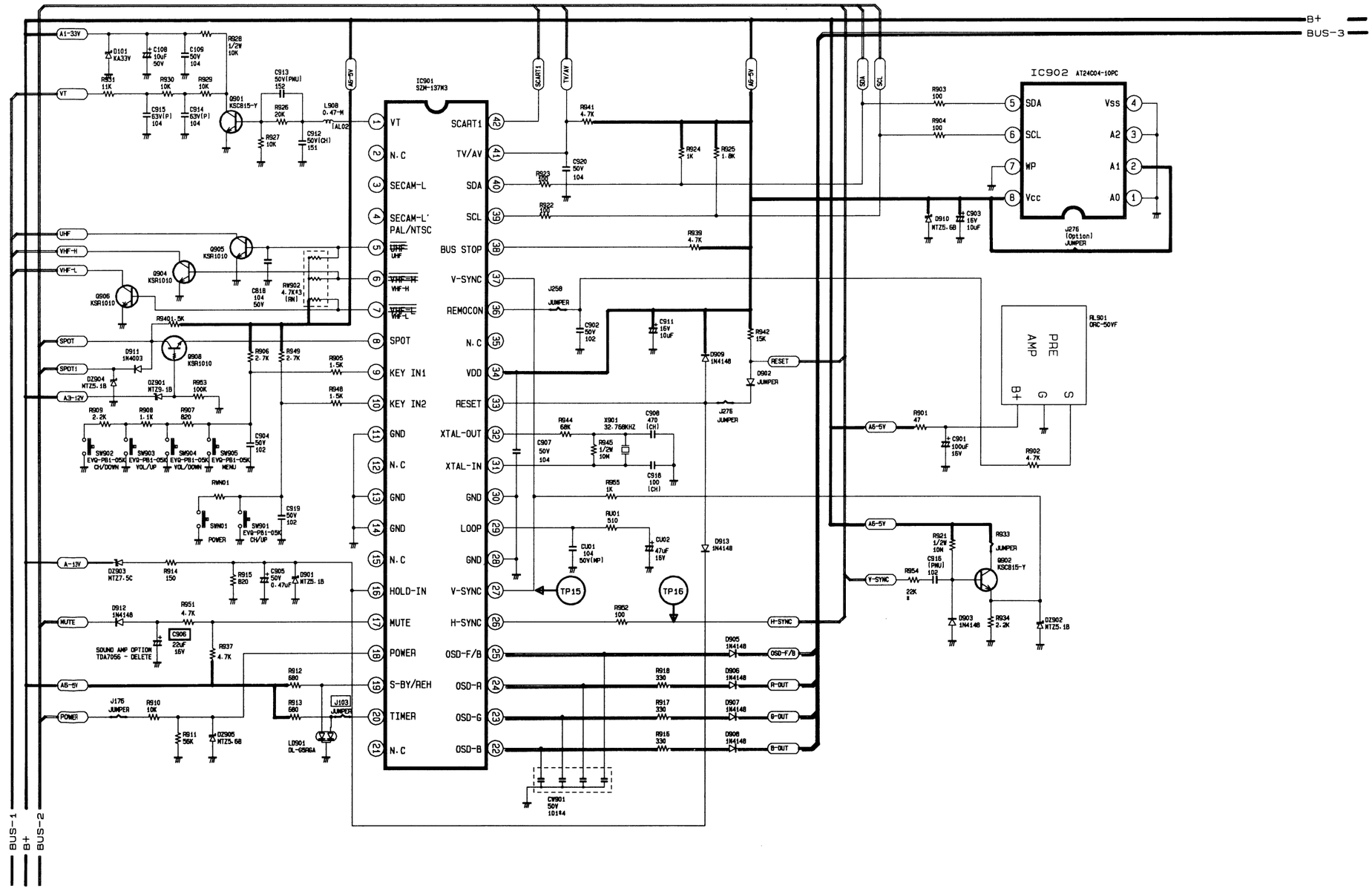


TP 26 HIC 3(pin)



TP 27 40000 pin 4




IC901 SZM-137W3
IC902 AT24C04-10PC
B+
BUS-3
BUS-1
BUS-2
A1-33V
A3-12V
A-13V
A5-5V
A6-5V
VT
UHF
VHF-H
VHF-L
SPOT
SPOT1
POWER
MUTE
SCART1
TV/AV
SDA
SCL
H-SYNC
V-SYNC
OSD-F/B
R-OUT
G-OUT
B-OUT
RESET
VT
N.C
SECAM-L
SECAM-L' PAL/NTSC
BUS STOP
V-SYNC
REMOCON
N.C
VDD
KEY IN1
KEY IN2
RESET
GND
XTAL-OUT
N.C
XTAL-IN
GND
GND
LOOP
GND
N.C
HOLD-IN
V-SYNC
MUTE
H-SYNC
POWER
OSD-F/B
S-BY/REH
OSD-R
TIMER
OSD-G
N.C
OSD-B
SDA
SCL
WP
Vcc
Vss
A2
A1
A0
J276 (Option) JUMPER
J258 JUMPER
J275 JUMPER
D902 JUMPER
J103 JUMPER
J176 JUMPER
SOUND AMP OPTION TDA7056 - DELETE
PRE AMP
B+
G
S
RL901 GRC-50YF
SW902 EVQ-PB1-05K CH/DOWN
SW903 EVQ-PB1-05K VOL/UP
SW904 EVQ-PB1-05K VOL/DOWN
SW905 EVQ-PB1-05K MENU
SW901 EVQ-PB1-05K CH/UP
SW901 POWER
TP15
TP16
X901 32.768KHZ
LD901 DL-G5R6A
Q901 KSC815-Y
Q902 KSC815-Y
Q904 KSR1010
Q905 KSR1010
Q906 KSR1010
Q908 KSR1010
D101 KA33V
D901 MTZ5.1B
D902 MTZ5.1B
D903 1N4148
D904 1N4148
D905 1N4148
D906 1N4148
D907 1N4148
D908 1N4148
D909 1N4148
D910 MTZ5.6B
D911 1N4003
D912 1N4148
D913 1N4148
DZ901 MTZ9.1B
DZ902 MTZ5.1B
DZ903 MTZ7.5C
DZ904 MTZ5.1B
DZ905 MTZ5.6B
R828 1/2W 10K
R829 10K
R830 10K
R831 11K
R841 4.7K
R842 15K
R844 68K
R845 1/2W 10M
R901 47
R902 4.7K
R903 100
R904 100
R905 1.5K
R906 2.7K
R907 820
R908 1.1K
R909 2.2K
R910 10K
R911 56K
R912 680
R913 680
R914 150
R915 820
R916 330
R917 330
R918 330
R921 1/2W 10M
R922 100
R923 100
R924 1K
R925 1.8K
R926 20K
R927 10K
R933 JUMPER
R934 2.2K
R937 4.7K
R939 4.7K
R941 5K
R947 1.5K
R948 1.5K
R949 2.7K
R951 4.7K
R952 100
R953 100K
R954 22K
R955 1K
RW901 4.7K*3 (RN)
RW902 4.7K*3 (RN)
RW903 2.2K*3 (RN)
RW904 510*3 (RN)
C108 10uF 50V
C109 50V 104
C901 100uF 16V
C902 50V 102
C903 16V 10uF
C904 50V 102
C905 50V 0.47uF
C906 22uF 16V
C907 50V 104
C908 470 (CH)
C909 16V 10uF
C912 50V(CH) 151
C913 50V(PWJ) 152
C914 50V(P) 104
C915 E3V(P) 104
C916 (PWJ) 102
C918 104 50V
C918 100 (CH)
C919 50V 102
C920 50V 104
CU01 104 50V(MP)
CU02 47uF 16V
CW901 50V 101*4
L908 0.47-M (AL02)
TP15 V-Sync
TP16 H-Sync
: Power Line
: Signal Line